Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

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Number 8

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August 25, 1941

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Volume 140 **August 25, 1941** **Number 8**

Magnesium Project Includes Chlorine Plant

OPD Washington Bureau
August 20, 1941

One of the three plants which the Defense Plant Corporation will build and Basic Refractories, Inc., will operate in the $63,000,000 magnesium project in Nevada will be a producer of chlorine. This element is essential to the operation of the process to be employed in the production of magnesium, and Basic Refractories has extensive dry salt deposits or brine deposits in the neighborhood of one of the three towns at which the plants will be located.

Basic Refractories owns substantial dolomite properties in Ohio. It has been making magnesite brick from that mineral. In the same production it has been using minerals from Nevada, where it is reported to own and to have under lease extensive de-

—Continued on page 45

Aluminum Plants To Be Built by U.S.

OPD Washington Bureau
August 21, 1941

The Defense Plant Corporation has entered into a contract with the Aluminum Company of America for the construction and operation of an alumina plant in Arkansas with an annual capacity of 400,000,000 pounds; and for the construction and operation of three aluminum smelting plants, one to be located near Massena, N. Y., with an annual capacity of approximately 150,000,000 pounds of aluminum; one in the vicinity of Bonneville Dam with an annual capacity of 90,000,000 pounds, and one in Arkansas with an annual capacity of 100,000,000 pounds.

The plants will be operated by the Aluminum Company of America un-

—Continued on page 38

Chemical Plant Expansions Approved

Of the certificates of necessity approved by the National Defense Advisory Commission from July 16 to July 31, in connection with the construction and acquisition of new manufacturing fact facilities, were the following:—

Antimony Metal:—Texas Mining & Smelting Company, Laredo, Tex.; $30,000.

Betapicoline:—Barrett Company, New York; $31,000.

Charcoal:—Barnebey-Cheney Company, Columbus; $585,000.

—Continued on page 55

Sherwin Williams to Man Illinois Ordnance Plant

OPD Washington Bureau
August 21, 1941

The War Department today announced the award of a fixed fee contract to the Sherwin Williams Defense Corporation of Cleveland, Ohio, for the management services during construction and operation of a plant for loading shells at the Illinois Ordnance Plant, Crab Orchard Lake, Ill., approximately eight miles east of Carbondale.

This contract also covers training of key personnel and acquisition of equipment. Under the terms of the contract, the life of the operating clause is for twelve months with an option for renewal. The plant will be Government-owned and agent operated. The establishment of this plant has been approvel by the Office of Production Management.

Zinc Yellow Put On Critical List

OPD Washington Bureau
August 19, 1941

Zinc chromate (yellow) and asbestos products, to include only roofing siding, pipe, and pipe covering, were added to the priorities critical list today by the Army and Navy Munitions Board. A revised edition of the list has been issued by E. R. Stettinius, jr., director of Priorities of the Office of Production Management.

Ultramarine Standards Revision Proposed

OPD Washington Bureau
August 21, 1941

A proposed revision of Federal specification TT-U-451 for ultramarine blue has been transmitted to the trade for consideration by the National Bureau of Standards of the Department of Commerce. No marked changes have been made in the specification.

The description of the pigment has been rewritten to be in accord with American Society for Testing Materials specification D262-40T. Errata sheet one covering Navy Department purchases has been deleted and new paragraphs H-2b, packing, and H-2c, marking, have been substituted to allow for the present-day commercial practice of packing ultramarine blue in 50-pound paper bags.

Methods of test have been omitted, and references have been made to general methods of test. This latter Federal specification TT-P-141 will contain, in a separate publication, all the more common methods of test that have been printed over and over again in the various Federal paint specifications. This will serve to reduce the number of pages in all forthcoming Federal Paint specifications. This separate specification containing general methods of test will not be in print for several months.

—Continued on page 38

Export Control Extensions Cover Almost All Chemicals

OPD Washington Bureau
August 19, 1941

Two new export control schedules, issued this week, bring practically all industrial chemicals under control. They cover also a number of chemical specialties and related products.

The official comment on the new schedules includes a statement that they bring the total list of controlled commodities up to approximately 80 percent of the total volume of exports in the first five months of 1941. In respect of chemicals and related articles, except some medicinals, the percentage is probably larger.

Schedule 17 is the more comprehensive of the new lists. It will become effective August 29. It includes eight groups under the general category of "Chemicals," as follows:—

Chemical specialties.
Coaltar products, except medicinals.
Explosives, fuses, etc.
Fertilizers and fertilizer materials.
Industrial chemicals.
Medicinal and pharmaceutical preparations.
Pigments, paints, and varnishes.
Soap and toilet preparations.

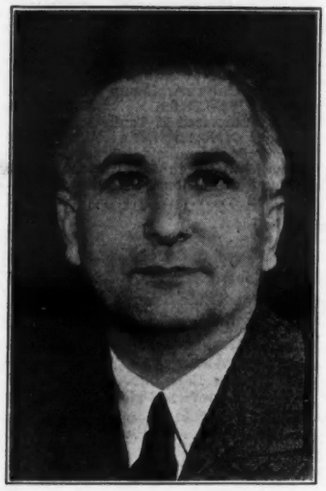
Definitions All-Inclusive

With reference to chemical materials the language of this schedule is all-inclusive. It lists a large number of materials by name—and then

—Continued on page 58

W.H. Dow Succeeds Pardee As Chairman

Dr. Williard H. Dow, who was reelected president and general manager, was also elected chairman of the board of the Dow Chemical Company,



Dr. W. H. Dow

Midland, Mich., at a meeting of directorate, following the annual meeting of stockholders August 13, at which Alden B. Dow and M. E. Putman were

—Continued on page 45

So. American Saleable Materials Analyzed

OPD Washington Bureau
August 18, 1941

The United States Tariff Commission issued today a report on "Latin America as a Source of Strategic and Other Essential Materials." In presenting an analysis of the strategic and other essential materials which the United States may obtain from Latin America, the Tariff Commission calls attention to a number of possibilities for the expansion of hemisphere trade.

In the report there are presented basic data on production and trade for forty selected strategic and other essential commodities which can or might be obtained in whole or in part from Latin America. For each commodity there are sections dealing with the position of Latin America in world production and in world exports. A section on United States imports shows the position of Latin America as a supplier for this market. Sections dealing with competitive conditions and prices and with the effect of the war complete each analysis.

This report may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 50 cents a copy. The Tariff Commission has a limited number of copies available for distribution.

Foreign-Owned Property Census Is Ordered

OPD Washington Bureau
August 18, 1941

The Treasury Department today issued form TFR-300, under which the Federal Reserve Banks are to make a census of all foreign-owned property subject to the jurisdiction of the United States. A report on form TFR-300 must be filed by September 30, subject to criminal penalties for non-filing, by every person in the United States concerning all property subject to the jurisdiction of the United States and held by him or in

—Continued on page 58

Formaldehyde Prices Pegged By OPACS at 4¼c. to 9½c.

OPD Washington Bureau
August 21, 1941

A schedule setting a sliding scale of ceilings on the prices which may be charged for formaldehyde, ranging from 4.25 cents to 9.5 cents per pound, f.o.b. the five major shipping points, with freight equalization, based on the highest list prices now being charged by the leading manufacturers, has been issued by Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply.

The action was taken, Mr. Henderson said, to curb the exploitation of civilian users of formaldehyde by certain dealers who have been charging as much as 47 cents a pound, compared with manufacturers' prices of 6 cents per pound for comparable quantities. The new schedule does not apply to sales of formaldehyde in containers of less than 45 pounds capacity, nor to "lots or quantities sold for commercial use or embalming fluids."

Explaining the necessity for the ceiling, Mr. Henderson said:—

A shortage in supplies of formaldehyde, previously recognized by OPACS in its allocation program designed to reduce nonessential uses of the chemical, has resulted from the heavy demands of defense and civilian industry for synthetic resins. Despite the shortage, manufacturers have maintained their prices at reasonable levels, as have most jobbers and dealers. Unfortunately, however, there are in the trade some concerns which have successfully profiteered in formaldehyde. While this speculation at present involves only a small percentage of formaldehyde sales, it is spreading rapidly and, if unchecked, will extend over a substantial part of the total supplies. Price stability under such circumstances would be endangered.

A premium of 1 cent per pound above the ceiling prices for dealers and suppliers selling formaldehyde from local stocks is permitted by the schedule. Any charges in excess of this margin, Mr. Henderson warned, will result in prompt action by OPACS directed at "the profiteers." Before determining the maximum prices set under the schedule, OPACS consulted with the leading producers of the chemical as well as the larger wholesalers.

The full price schedule of the ceil-

—Continued on page 45

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals, oils, and drugs is currently as follows:—

Aug. 22, 1941	Aug. 15, 1941	Aug. 23, 1940
128.5	**127.9**	**100.5**

Dyestuffs, textile and leather chemicals, oils, fats, and waxes, drugs and fine chemicals, essential oils and aromatic chemicals are up from the preceding week. All other groups are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Stramonium Lower

Stramonium leaves were lower at 32c per pound, indicative of an increase in available supplies. African ginger sold at 24c. per pound.

Cottonseed Oil Higher

Refined cottonseed oil futures were higher on Friday with hogs, lard, soybeans and other commodities. Trading was more active. New crop crude oil was reported to have sold in the Southeast at 11c. per pound. Cash soybeans were reported scarce in Western markets. Offerings of soybean oil were very light. Sales of crude coconut oil were reported on the Pacific coast at ¼c. advance.

Defense Materials Price-Index Trend

The Bureau of Labor Statistics' index of market prices of strategic materials recovered most of last week's decline and advanced 0.4 percent. The current index is 141.6 percent of the August, 1939, average, near the high reached on August 2 of this year. Quotations were higher for mercury, tin, and abaca. Crude rubber prices declined slightly. Index numbers of market prices of strategic and critical materials are:—

	(August, 1939=100)	
1941	Strategic	Critical
Aug. 9	141.1	115.4
Aug. 16	141.6	115.5

Bids Wanted

Ammonia Sulphate:—2,000 pounds; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington; invitation 404, opening August 29.

Anhydrous Ammonia:—1,000 pounds; Commanding officer, Picatinny Arsenal, N. J.; procurement 368, opening August 26.

Bleaching Material:—Supplies of; Quarmaster Supply Officer, Fort Mason, San Francisco; invitation 928-165, opening August 28.

Bone Black:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

—*Continued on page* 54

Medical Supplies Get Preference Rating

OPD Washington Bureau
August 22, 1941

A preference rating plan for supplies for hospitals, physicians, and other health services has been drawn up by the Priorities Division of the Office of Production Management and is expected to be issued in the form of a priorities order within the next few days. Under this order health supplies will be given the highest civilian preference rating.

The priorities order is designed to implement the civilian allocation program for essential raw materials for manufacturers of hospital equipment and surgical supplies and implements announced by Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply, several weeks ago. As OPACS has no power to enforce its allocation order, the priorities program is necessary to assure compliance.

American Potash Elects F.C. Baker President

The American Potash & Chemical Corporation last week named F. Cecil Baker president and elected three other officers vice-presidents. Mr. Baker succeeds H. S. Emlaw, resigned, who will continue as a director and a member of the executive committee.

—*Continued on page* 55

Contents of This Issue

News and Statistics

Annand Made Chief of U.S. Plant Quarantine 5
Amer. Anilin Expands 31
A.A.C. Shows Sales Gain..... 55
Abrasives Plant Destroyed 25
Aluminum Plants to Be Built by U.S. 3
A.C.S. to Review Paint Research... 4
American Potash Elects Baker..... 4
By-Product Sulphuric Output: 1940 34
Buffalo Paint Club to Meet..... 38
Copper Scrap Ceiling Based..... 5
Chicago Drug and Perfumery Soap Ass'n Members Golf 52
Calking Compounds Submitted..... 38
Celluloid Merger Ratified 25
Campbell Quits International Paper 25
Chemical Show Dec. 1-6..... 58
Chemical Plant Expansions Approved 3
Colorado Insecticide Law Label Registration Explained 46
Crown Can Names Swartz 45
Chickasha Buys Tulsa Cotton Oil.. 60
Commerce Dept. Consultants Assigned 5
Comparative Durability of Soybean, Soybean-Perilla, and Linseed Oil Paints (Lewis) 5
Cotton Linters Processing Under Preference 60
Cinchona Plant Nursery in Mexico.. 48
Dow Succeeds Pardee 3
Defense Contracts Recently Awarded 54
Devoe & Raynolds Promotes Lightcap 54
Export Control Extended 3
Foreign-Owned Property Census Ordered 3
Formaldehyde Prices Pegged 3
Fertilizer Tag Sales: July 55
Flax Loan Rate: 1941..... 5
Golden Gate Club Nominates..... 25
Golwynne Offers Hydrosulphite..... 35
Grady in Orient 46
Gas Institute to Award Fellowships 54
Harshaw Buys Antimony Plant.... 46
Hopkins Re-Elected..... 48
I.C.C. Authorized 25 Tanks For Sulphuric 55
Insecticide, Disinfectant Trade Wage 46
Johns-Manville to Build Plant..... 25
Lacquer Emulsions Stability Prolonged 25
Lueders Unveils Tablet 52
Magnesium Project Includes Chlorine Plant 3
Medical Supplies Get Preference... 4
Messengill Names Jones 45
Magnus Flies to Festival 52
Methane Refrigerants Allocated..... 5
Metallic Soaps Bulletin 60
N.P.V.L.A. Seeks Data 4
Newport Has Unique Display Booth 54
Non-Metallic Minerals Group Formed 5
Neuberg Names Rusk..... 48
Oil Pipeline 'Trust' Decree Planned 5
Oleomargarin Standard to Be Enforced 52
Oils and Fats Import, Exports..... 41
OPM Names McCabe 5
Painters Strike Action Deferred.... 25
Protective Compounds to Be Made By U.S. 34
'Priorities' Issued 45
'Paint Protects America' Theme of Drive 59
Prentiss Plant Damaged..... 48
Quicksilver Deposits Surveyed 45
Revenue Returns: July 46
Standard Brands Starts New Plant 45
Spain's Cork Yield to Be Slim..... 45
Strategic Metals Data Sought..... 4
Sherwin Williams to Man Plant.... 3
Salt Rate Under Literage Rules Asked 58
Socony-Vacuum Revises Draft Benefits 52
gram 59
So. American Resources Analyzed.. 3
Single-Trip Container Reuse Permitted 5
Tex. Oil-for-Britain Day Fails..... 52
Titanium Mineral Developed in N.Y. 59
Tin Surveyed 31
U.S. Plans Synthetic Rubber Plant.. 46
Ultramarine Standards Revision Proposed 3
Velsicol Names McCauley..... 46
Vick Buys McKelvy Co. 44
Vanadium Under Full Priority..... 4
Virginia Dare to Build Plant..... 52
'Witcarb' Discussed 46
Zinc Yellow on Critical List..... 3
Zinc Oxide Saving Seen..... 31

General Features

Advertisers' Index..... 61
Bids Wanted..... 4
Chemical Trade Trends..... 4
Classified Advertisements..... 60
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... 31
Defense Materials Price Trend... 4
Dividends Declared..... —
Editorials 26
Foreign Trade Openings..... —
Foreign Trade Rules..... 58
Industrial Uses of Chemicals..... 49
Obituaries 52
OPD Forum..... 4
OPD Price Index..... 4
Prices Current..... 7
Scientific, Professional Services.. 59
Trade News Briefs..... 34
What You Can Use..... 42
Where You Can Sell..... 49

Market Reports

Botanical Drugs, Spices, Gums... 47
Coaltar Chemicals..... 30
Drugs and Fine Chemicals..... 43
Dyestuffs, Textile and Leather Chemicals 35
Essential Oils and Aromatics.... 51
Fertilizer Materials..... 55
Heavy Chemicals..... 28
Oils, Fats and Waxes..... 39
Paint, Varnish and Lacquer Materials 36
Petroleum Products..... 53

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 58
Exports 58
Imports 57
Imports Detained..... 58

Chemical Prices Still Upping

Quicksilver and tin were outstanding among the cheaper items. The advances were miscellaneous, the chief noticeable influence being lack of shipping from the Orient.

Business continued big. The major new interest was the spreading of export control over almost all chemical materials; export sales have not recently been important in volume. Producers held to their price schedules; resellers were shaky because of the price ceilings news.

Prices were advanced on arsenate and arsenite of soda, antimony salt, potash-titanium oxalate, barium silicofluoride, lignin vanillin, imported drying oils, sulphonated and dehydrated castor oils, codliver oil, Chinese nutgalls, cassias, dammars, kauris, copals, low grades of gum rosin, milk powder, milk sugar, and Midwestern nitrogenous sludge.

Prices were reduced on quicksilver, Straits tin, stannous chloride, tin crystals, stannate of soda, resale citric and tartaric acids and cream of tartar, ethylvanillin, high and medium grades of gum rosin, gum and steam-distilled wood turpentines, and imported olive oil.

The result of the changes is shown in the *OPD Price Index* at the top of the column to the left.

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A.C.S. to Review Paint Research

Twenty-three papers reporting research progress will be presented before the division of paint, varnish and plastics chemistry of the American Chemical Society at the society's 102nd meeting in Atlantic City, September 8-12.

G. G. Sward, of the National Paint, Varnish and Lacquer Association, chairman of the division, will preside at morning and afternoon sessions on September 9. Sessions Wednesday will be devoted to a symposium on progress in high polymer plastics, with S. L. Bass, Dow Chemical Company, Midland, presiding. Speakers at the symposium will include:

H. Mark, Brooklyn Polytechnic Institute; R. M. Fuoss, General Electric Company, Schenectady; T. S. Carswell, H. K. Nason, and R. F. Hayes, of plastics division of the Monsanta Chemical Company, Springfield, Mass.; W. C. Goggin and R. D. Lowry. Dow Chemical Company; H. C. Evans and D. W. Young, Standard Oil Development Company, Elizabeth, N. J.; J. W. Raynolds, Mellon Institute of Industrial Research, Pittsburgh, Pa.; M. R. Radcliffe and M. R. Vogel, Binney & Smith Company, Easton, Pa.

A joint dinner of the Paint, Varnish and Plastics Division and the Philadelphia Paint and Varnish Production Club will be held on Tuesday evening. A business meeting of the division, at which officers for the coming year will be elected, will be held on Wednesday afternoon.

N.P.V.L.A. Seeks Data On Defense, Civilian Sales

In an effort to determine what percentage of business is connected directly and indirectly with the national defense program, the National Paint, Varnish and Lacquer Association has sent to its membership a questionnaire asking for data on sales from January 1 to June 30, 1941.

The questionnaire, worked out by a committee representing both the trade sales and industrial sales divisions as well as raw materials, is broken down into four classes. Class A deals with recognizable defense work; class B, indirect defense and essential civilian requirements; class C, semi-essential, such as automobiles; and Class D, other uses, such as novelties, games and toys. Answers to questionnaire are asked to be returned to the association by September 1.

Strategic Metals Data On Supplies, Uses Sought

OPD Washington Bureau
August 19, 1941

A campaign to establish the quantities and whereabouts of strategic metals necessary to the national defense effort is being undertaken by the Bureau of Census, acting at the request of the Office of Production Management and the Office of Price-Administration and Civilian Supply. The bureau, requesting the cooperation of industry in the new program, has mailed approximately 65,000 questionnaires to manufacturers who use defense metals in their operations.

—*Continued on page* 54

Vanadium Now Under Full Priority Control

OPD Washington Bureau
August 18, 1941

Vanadium has been placed under full priority control in an order signed by E. R. Stettinius, jr., Director of Priorities. The order assigns a rating of A-10 to all defense orders for vanadium to which this rating or a higher one has not been specifically granted, and requires the acceptance of such orders in preference to non-defense orders.

Vanadium has been subject to inventory control provided by General Metals Order No. 1, issued May 1, 1941, from which it is now removed. The new order requires that after September 1 a manufacturer wishing to purchase vanadium must file a statement of the uses to which it is to be put, not later than the twenty-fifth of the month preceding that of the specified delivery.

OPM Names McCabe Operations Director

Thomas B. McCabe, president of the Scott Paper Company, Chester, has been appointed deputy director of the Division of Priorities in charge of operations. Mr. McCabe, who served last year in the Industrial Materials Division of the National Defense Advisory Commission, will take the place of James L. O'Neill, who is returning to his duties as operating vice-president of the Guaranty Trust Company of New York. Mr. O'Neill will continue to be available as a consultant. Mr. McCabe has obtained a leave of absence from the Scott Paper Company. He will continue as chairman of the board of directors of the Federal Reserve Bank of Philadelphia.

Appointment of Norbert A. McKenna of New York as chief of the Paper, Pulp, Printing and Publishing Branch of the Office of Production Management was announced. Mr. McKenna has resigned as vice-president of the United States Plywood Corporation, in charge of its moulded plastic plywood division.

Annand Made Chief Of U.S. Entomology

OPD Washington Bureau
August 18, 1941

Dr. P. N. Annand has been named chief and Avery S. Hoyt associate chief of the Bureau of Entomology and Plant Quarantine. Dr. Annand

Dr. P. N. Annand

succeeds Lee A. Strong, who died June 2, 1941.

Dr. Annand, who has been an assistant chief of the bureau since 1939, was born in Telluride, Colorado, in 1898. He was graduated with a B.S.

—*Continued on page* 48

Commerce Dept. Business Consultants Are Assigned

OPD Washington Bureau
August 18, 1941

The Department of Commerce has announced the field assignments of eleven business consultants. They are: —Eldon C. Shoup, Boston; Robert H. Leding, New York; Carl H. Hendrison, jr., Philadelphia; William A. Spurr, Cleveland; W. S. Hertrais, Chicago; Arnold S. Skinner, Minneapolis; Joseph H. Taggart, Kansas City; W. Cornell Dechert, Richmond; Roscoe Arant, Atlanta; V. D. Cover, Dallas; and Ramond Reeves, jr., San Francisco.

Oil Pipeline 'Trust' Decree Being Drafted

OPD Washington Bureau
August 20, 1941

Final settlement of the antitrust cases brought under the Elkins act by the Department of Justice, charging that payment of dividends on stock of pipeline companies to companies which use the lines for the transportation of their products constitutes a

—*Continued on page* 54

Comparative Durability of Soybean, Soybean-Perilla, and Linseed Oil Paints

By A. J. Lewis
Chemist
United States Regional Soybean Industrial Products Laboratory*

In order to determine the comparative durability of soybean oil paints by means of exposure test panels, the United States Regional Soybean Industrial Products Laboratory, located at Urbana, Ill., prepared a total of thirty-six exterior white paints with varying percentages of oils and pigments, based on comparable formulas, from soybean oil, linseed oil, and a blend of equal volumes of soybean and perilla oils. These paints were made in a small laboratory colloid mill during May and June, 1937.

Constituents of Paints

The materials used in these paints, all obtained from commercial sources, were as follows:—

Basic carbonate white lead:—A pigment with high hiding power and high paint-thickening qualities; specific gravity, 6.8; weight per solid gallon, 57 pounds; 1 pound bulks 0.0175 gallon; fineness, 0.1 percent (325 mesh screen); oil absorption, high.

Zinc oxide:—A pigment of large particle size designed for exterior paints; specific gravity, 5.57; weight per solid gallon, 46.4 pounds; 1 pound bulks, 0.02155 gallon; fineness, 0.07 percent (325 mesh screen); oil absorption, low.

Soybean oil, nonbreak type:—A raw soybean oil from which the albuminous break material and moisture have been removed by mechanical refining. This oil does not break when heated to varnish kettle temperatures. Its acid, saponification, and iodine numbers are normal and unchanged by refining.

Perilla oil, nonbreak type:—A raw perilla oil which has been treated in the same way as the soybean oil above.

Linseed oil:—A raw oil conforming to Federal specifications JJJ-O-336.

Oil drier:—A lead-manganese drier conforming to Federal specifications TT-D-651, type 1.

Paint Formulations

The thirty-six paints comprised three groups of twelve paints, each group having for its oil vehicle either all soybean oil, all linseed oil, or a blend of equal volumes of perilla and soybean oils. Each of the oil-vehicle groups was divided into three other groups, each with a different percentage of oil by weight—28 percent, 38 percent, and 48 percent—and each of these nine groups was composed of paints having four percentages of zinc oxide and basic carbonate of white lead, respectively—10 percent and 90 percent, 20 percent and 80 percent, 30 percent and 70 percent, and 40 percent and 60 percent.

This arrangement produced a series of comparable paints which varied considerably in their type and percentage of oil vehicles, as well as in their ratios of lead and zinc pigments. Each paint had the same amount of oil drier, equivalent to 5 percent by volume of the oil vehicle, and the same weights and volumes of its components, thus holding losses in the colloid mill relatively equal.

Test Technic

The panels used for the exposure tests were made of carefully selected California redwood boards which were 2 feet square and 1 inch thick, with beveled edges which were sealed periodically with heavy asbestos-asphalt paint to prevent the penetration of water into the wood from the edges. The paints were applied on the panels in such a manner that each panel gave a comparison of the four pigment variations with the same type and percentage of oil. Three coats of each paint, without thinning, were brushed successively on the panels July 15, 16, and 17, 1937, in a constant temperature (77 deg. F.) and constant relative humidity (50±2 percent) room.

Each of the paints worked well under the brush and dried satisfactorily in twenty-four hours, and the paints with 28 percent and 38 percent of oil by weight had excellent hiding power while those with 48 percent of oil were fair in this respect. The test panels of these paints have been undergoing continuous exposure since July 19, 1937, on the south side of the vertical paint test fences at the University of Illinois, Urbana.

Results of Exposure

These paints, after weathering for four years, now show the following exposure results:—

Paints with 28 percent of oil by weight. All these paints show a moderate film chalking when rubbed lightly with the finger. None has weathered appreciably, and all have very good film protection. Some surface checking was noted on all the paints containing 40 percent of zinc oxide. These observations apply equally to all of the 28-percent oil paints, and none of the oil vehicles was considered superior to the others.

Paints with 38 percent of oil by weight. These paint films show considerable chalking when rubbed lightly with the finger, and have weathered away somewhat. The soybean oil paint films appear slightly better in this respect than those of the soybean-perilla oils mixture, while the linseed oil paints have less film remaining than the other two. However, the boybean oil paint films show slightly more surface checking on the 30-percent and 40-percent zinc oxide paints than the films of the comparable paints made from the other two oil vehicles.

Paints with 48 percent of oil by weight. In this group, the soybean

—*Continued on page* 38

* A cooperative organization in Urbana, Illinois, participated in by the Bureau of Agricultural Chemistry and Engineering and the Bureau of Plant Industry of the United States Department of Agriculture and the agricultural experiment stations of the North Central States—Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

Flax Loan Rate Put At $1.70 for 1941 Crop

OPD Washington Bureau
August 19, 1941

A 1941 flaxseed loan at rates expected to average $1.70 a bushel on the farm was announced today by the Department of Agriculture. Flaxseed loan is designed to stabilize prices and aid producers to market the 1941 crop. The loans will be made by the Commodity Credit Corporation and the program will be administered in the field by local committees of the Agricultural Adjustment Administration.

The loan rate for No. 1 flaxseed will be $1.85 a bushel delivered at Minneapolis, St. Paul, Duluth, Chicago, Portland, Los Angeles, San Francisco, and Kansas City, Mo. The rate will be discounted 5 cents a bushel for flaxseed grading No. 2. Loan values at local stations for flaxseed in storage on the farm or in country warehouses will be determined on the basis

—*Continued on page* 60

Soybean Flour Standards To Be Discussed Sept. 8

OPD Washington Bureau
August 21, 1941

The food standards committee of the Food and Drug Administration will meet here during the week beginning September 8 in offices of the administration. On September 12 an open meeting will be held for the purpose of considering soybean flours.

Single-Trip Container Reuse Permitted

The Interstate Commerce Commission has authorized the Bureau of Explosives of the Association of American Railroads to permit the reuse of single trip steel drums under conditions which will assure safety in such use.

Shippers desiring permission to reuse single-trip containers are required to furnish certain information to the bureau, which is located at 30 Vesey street, New York. The official notice by W. S. Topping, chief inspector, is as follows:—

Conditions in the steel industry apparently show that there is now or likely to be a shortage of metal for the manufacture of metal barrels or drums. Users of these containers are now experiencing delays in delivery of orders.

—*Continued on page* 54

Methane Refrigerants Allocated by OPACS

OPD Washington Bureau
August 19, 1941

An allocation program for available supplies of chlorofluoromethanes to users and manufacturers of civilian refrigeration and air-conditioning equipment, in the degree of their relative importance to the public welfare. has been directed in an order issued by the Office of Price Administration and Civilian Supply. The order was predicated on a shortage in the base product used for the production of the chlorofluoromethanes—carbon tetrachloride, the output of which has been retarded by the scarcity of chlorine.

A senior classification is assigned in the allocation program to maintenance of all types of refrigerating equipment now operating and existing air-conditioning equipment in hospitals, clinics, and sanitoria requiring these refrigerants.

Maintenance of industrial air-conditioning equipment already installed ranks next in preference, followed by maintenance of other air-conditioning equipment, then by manufacture of new refrigeration and air-condition-

—*Continued on page 58*

Copper Scrap Ceiling Based on 12c.

OPD Washington Bureau
August 19, 1941

Ceiling prices on copper scrap establishing differentials of from 2 to 4 cents per pound below 12-cent copper for the leading kinds and grades of scrap were ordered today by Administrator Leon Henderson, of the Office of Price Administration and Civilian Supply. A uniform dealers' margin of ¾ cent per pound for collecting, sorting, storing and shipping is also allowed under the order.

Top prices are fixed in the schedule at 10 cents per pound for No. 1 copper wire and No. 1 heavy copper; 9 cents a pound for No. 2 copper wire and mixed heavy copper, each containing 96 percent of copper, and 8 cents a pound for light copper, con-

—*Continued on page* 38

Non-Metallic Minerals Technical Group Formed

OPD Washington Bureau
August 19, 1941

A special technical committee has been created to advise the Office of Production Management on nonmetallic minerals. The new group is a special subcommittee of the Advisory Committee on Metals and Minerals which was appointed by the National Academy of Sciences. Among the members of the special technical group, which is now preparing reports on graphite, mica, and other strategic materials, are:—

Chairman R. P. Heuer, General Refractories Company, Philadelphia, Pa.; secretary Paul Tyler, U. S. Bureau of Mines; B. C. Burgess, United Feldspar & Minerals Corporation, Spruce Pine, N. C.; W. S. Landis, American Cyanamid Company, New York; Frank J. Tone, Carborundum Company, Niagara Falls; G. A. Bole, Orton Ceramic Foundation, Columbus, Ohio; and R. B. Wittenberg, International Agriculture Corporation, Chicago.

MONSANTO *Plasticizers* FOR USE WITH VARIOUS RESINS AND PLASTICS

	TRICRESYL PHOSPHATE	TRIPHENYL PHOSPHATE	SANTICIZER 8	SANTICIZER 9	SANTICIZER 10	SANTICIZER B-16	SANTICIZER E-15	SANTICIZER M-17	DIBUTYL PHTHALATE	DIETHYL PHTHALATE	DIMETHYL PHTHALATE	DIPHENYL PHTHALATE	AROCLORS
NITROCELLULOSE	X	X	X	X	X	X	X	X	X			X	X
CELLULOSE ACETATE		X	X			X	X	X		X	X		
CELLULOSE ACETOPROPRIONATE	X	X	X			X	X	X	X				
CELLULOSE ACETOBUTYRATE	X	X	X	X	X	X	X	X	X				
ETHYL CELLULOSE	X	X	X	X		X	X	X	X			X	X
CHLORINATED RUBBER	X					X	X	X	X				X
SYNTHETIC RUBBER*	X	X				X	X	X	X				X
POLYVINYL ACETATE	X			X	X	X	X	X	X			X	X
POLYVINYL CHLORIDE	X	X				X	X	X	X				
POLYVINYL ACETALS			X			X	X	X	X			X	
POLYSTYRENE	X					X	X	X	X			X	X
PHENOL-FORMALDEHYDE RESIN	X							X					
UREA-FORMALDEHYDE RESIN				X									
PROTEIN COMPOUNDS			X										
SHELLAC			X	X	X	X	X						
DAMAR	X					X	X			X			
MANILLA GUM						X	X			X			

X denotes—of use

X denotes—of special value

*The use of plasticizers in synthetic rubbers is still in development stage. The kind of synthetic rubber and the use for which it is intended will govern the selection of the plasticizer. The plasticizers indicated have shown promising properties in test formulations.

From this list of proven, high-quality Monsanto plasticizers you should be able to fill almost any need. Here are familiar standard products, as well as special ones developed to fit new requirements. For complete descriptions of the entire list and many helpful notes on their applications, write today for the 40-page book, *Plasticizers and Resins.* You will find it a useful, practical reference that may save many hours of testing in your own laboratories.

MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal.

MONSANTO CHEMICALS
SERVING INDUSTRY . . . WHICH SERVES MANKIND

Current Market Quotations

August 22, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works.....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., divd..lb. .08½- —
l.c.l., divd.....lb. .09 - —
tanks, divd.....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —
Acid, abietic, dms., o ..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs.....100 lbs. 3.68 - 3.93
56%, bbls.....100 lbs. 5.18 - 5.43
cbys., cs.....100 lbs. 5.68 - 5.93
70%, bbls.....100 lbs. 6.19 - 6.44
cbys., cs.....100 lbs. 6.69 - 6.94
80%, bbls.....100 lbs. 6.91 - 7.16
cbys., cs.....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys..100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 8.30 - 8.55
cbys.....100 lbs. 8.80 - 9.05
tanks.....100 lbs. 7.50 Nom.
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms..100 lbs. 8.43 - 8.68
tanks.....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms.....100 lbs.12.50 -14.00
pure, 30%, bbls.....100 lbs. 4.23 - 4.48
cbys., cs.....100 lbs. 4.73 - 4.98
36%, bbls.....100 lbs. 4.61 - 4.86
cbys., cs.....100 lbs. 5.11 - 5.36
60%, bbls.....100 lbs. 7.17 - 7.42
cbys., cs.....100 lbs. 7.67 - 7.92
80%, bbls.....100 lbs. 8.70 - 8.95
cbys., cs.....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse...ton.128.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, bns.....lb. 6.95 - 7.00
Capric, dms.....lb. .19½- .20
Caproic, dms., works.....lb. .25 - .30
Caprylic, dms.....lb. .27 Nom.
Castor oil, split, dms.....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., divd. N.Y..lb. .16¼- —
l.c.l., 5 tons, divd. N.Y. lb. .16¾- —
smaller quantities, divd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., drs., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .16½- .17
Cottonseed oil, dist., dms....lb. .13¾- .14¼
tanks.....lb. .13¼- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S....gal. .58 - —
l.c.l., same basis.....gal. .59 - .60
tanks, divd., East. U.S.gal. .54 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .64 - —
l.c.l., same basis....gal. .65 - .66
tanks, divd., East. U.S.gal. .60 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - —
Gallic, tech., bbls.....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots.....lb. 1.25 - —
fib. dms., 25 lbs.....lb. 1.29 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .13 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - 80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works..... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11¼
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12¼
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13¼
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14¼
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22¼

Acid, lactic, USP, XI, 85%, cbys. lb. .42 - .45
USP. VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .18 - .18½
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .17 - .17½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .18½- .19
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06¼ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .12½- .13
tanks.....lb. .12 - —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.45 - 1.95
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.25 - —
cbys., works, frt. equald. 100 lbs. 4.60 - —
l.c.l., 10 or more, works, frt. alld.100 lbs. 5.50 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.50 - 7.25
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald..100-lbs. 5.00 - —
cbys., works, frt. equald. 100 lbs. 5.35 - —
l.c.l., 10 or more, works, frt. alld.100 lbs. 7.25 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.25 - 9.50
tankcars, works, frt. equald..100 lbs. 4.25 - —
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —

Acid, propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns.....lb. 1.53 - —
USP, cryst., cns.....lb. 2.00 - —
resub., cns.....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .16½- .17
Stearic, dist., double pressed, bgs., dlvd..lb. .13¾- .14¾
single pressed, bgs., dlvd..lb. .13¼- .14¼
triple pressed, bgs., dlvd....lb. .16½- .17½
saponif., double pressed, bgs., dlvd..lb. .14 - .15
triple pressed, bgs., dlvd..lb. .16¾- .17¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphons.phthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works. 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots.....lb. 1.15 - —
25-lb. lots.....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots.....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs., or more, one shipt..lb. .63½- —
smaller quantities.....lb. .64 - —
kgs.....lb. .64½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
15-gr. vials.....vial. 1.60 - —
Acrylonitrille, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bls.....lb. 2.00 Nom.
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .60 - .70
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.60 - 1.70
powd., dms., bbls.....lb. 1.65 - 1.70
import, cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
drums.....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagon, frt. alld.....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 2.80 - 3.40
Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .38½
l.c.l., dlvd., dms.....gal. .41½- .43½
tanks, E., dlvd.....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in drms., higher. Tankcar mixes require written authorization by Alcohol Tax Unit

Alcohol—Benzol

Alcohol, SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —
1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD2SG, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .11¼- .12
l.c.l., divd.....lb. .12 - .12½
tanks, divd.....lb. .10¼- .11
tech., dms., c.l., divd.....lb. .11 - —
l.c.l., divd.....lb. .11½- —
tanks, divd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms .....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works...lb. .35 - —
dms., c.l., 55,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .55 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .39 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .58 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade.. dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 55 and 110 gal. dms., c.l. works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice Mexican, bgs.....lb. .12¾- .13¼
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 4.60 - —
100-lb. kgs.....lb. 4.62 - —
25-lb. fib. dms.....lb. 4.69 - —
Alphanaphthel, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.29 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
divd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market: f.o.b. Philas.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. areas (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
Alumina acetate, solut., 24%, l.c.l., 10 or over, divd. lb. .09½- —
1 to 9 divd.....lb. .10 - —
normal, solut., 20%, bbls., l.c.l., 10 or over., divd. lb. .08½- —
1 to 9, divd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., divd..lb. .13 - —
l.c.l. divd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., divd.....lb. .14 - —
l.c.l., bgs., divd.....lb. .14½- —
bbls., c.l., divd.....lb. .14½- —
l.c.l., bbls., divd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17¼- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l. .....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia aldehyde, dms., works, lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¾- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_2 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., divd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15½- .17
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36
Carbonate, lump, dms., divd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .20 Nom.
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.23 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phes., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5-lb. bots.....lb. .63 - .65
cns. .....lb. .55 - .60
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.20 - 1.25
cans .....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .50
import, natural, bls, works..lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .18 - .19
Turkish, afloat, bgs.....lb. .35 - .36
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .17 - .18
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l.....lb. .13 - .15
l.c.l. .....lb. .14½- .16½
Salt, 65%, dms., divd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .16 - .17
Arecoline hydrobromide, bots..oz. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10¼
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05¼- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10¼
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .14 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minneapolis, Colo..gal. .14 - —

Benzophenone, dms.....lb. 1.00 - 1.10
Benzoyl chloride, cbys.....lb. .28 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .52 - .55
dms.....lb. .48 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .85 - 1.10
dms.....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.65 - 1.75
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs.....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars.....lb. 2.83 - —
Citrate, USP, VIII, 5-lb. bots. lb. 2.86 - —
jars.....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib., dms.....lb. 3.40 - —
Subcarbonate, bots., cns....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Bismuth, subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib., dms.....lb. 3.67 - —
Trioxide, powd., 5-lb. bots....lb. 3.76 - —
cns.....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l.....lb. .17½ - —
3, c.l.....lb. .12 - —
l.c.l.....lb. .12½ - —
4, c.l.....lb. .11 - —
l.c.l.....lb. .11½ - —
5, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
6, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
7, c.l.....lb. .11½ - —
l.c.l.....lb. .12 - —
8, c.l.....lb. .12½ - —
l.c.l.....lb. .13 - —
Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd.....lb. .07½- —
beads, compressed, bxs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd.....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½ Nom.
B, bbls., works or N. Y..lb. .05¾ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis.....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.50 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 3.60 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.25 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .17 - .18
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .13
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4¼% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.50 - —
import, bgs., c.i.f. ports..ton.28.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .46
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
tech., 99½%, gran., bgs., less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½ - —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkg., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 3.25 - 4.00
Bronze powder, aluminum (see Al).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works....lb. .12 - —
powdered.....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .13½ Nom.
2 bbls., same basis....lb. .12½ Nom.
Italian, group 3, bbls., same basis..lb. .11½ Nom.
4, bbls., same basis....lb. .10 Nom.
5, bbls., same basis....lb. .10 Nom.
6, bbls., same basis....lb. .09½ Nom.
7, bbls., same basis....lb. .09¼ Nom.
8, bbls., same basis....lb. .09 Nom.
9, bbls., same basis....lb. .08½ Nom.
10, bbls., same basis....lb. .08½ Nom.
11, bbls., same basis....lb. .08 Nom.
12, bbls., same basis....lb. .07½ Nom.
13, bbls., same basis....lb. .07¼ Nom.
14, bbls., same basis....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .13¾ Nom.
2, bbls., same basis....lb. .12½ Nom.
3, bbls., same basis....lb. .12¾ Nom.
4, bbls., same basis....lb. .10¾ nom.
5, bbls., same basis....lb. .10¾ Nom.
6, bbls., same basis....lb. .09¾ Nom.
7, bbls., same basis....lb. .10 Nom.
8, bbls., same basis....lb. .08½ Nom.
9, bbls., same basis....lb. .08 Nom.
10, bbls., same basis....lb. .07½ Nom.
11, bbls., same basis....lb. .06¼ Nom.
Umber, American, bbls., works, lb. .03¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle.....lb. .05¾- —
ex whse. Los Angeles..lb. .06½- —
Portland, San Francisco, Seattle..lb. .06 - —
Boston.....lb. .05 - —
Brown, umber, Turkey, bbls., ex whse., Chicago, Indianapolis, New Orleans....lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis.....lb. .0560- —
Pittsburgh.....lb. .05¾- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special.....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .60 - .61
Buckthorn bark, true, bls....lb. .75 - .80
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½ - —
tanks, frt. alld.....lb. .10 - —
tankwagons, frt. alld...lb. .10¼- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms..lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16¼- .17¼
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .23 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16¾- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .32¼- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02¼- .03

C.

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - 1.91
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lbs. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.80 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - —
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l.....lb. .06¾- .07¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, paper bgs., 77-80%, c.l., dlvd..ton.20.50 - 35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex essel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., cfns., c.l..lb. .24 - —
l.c.l., ton.....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bes., c.l., works..ton.46.00 - —
60%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., bgs., 50 lbs. or more..lb. 2.95 - —

Benzophenone—Cellulose

Camphor, natural, powd., cs...lb. 1.15 Nom.
slabs, cs.....lb. 1.15 Nom.
tablets, tins.....lb. 1.20 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs.....lb. .05¾- .06
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. 1.00 Nom.
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66¼- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l.....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .24 - .25½
5 tons, works.....lb. .24¼- .25¾
smaller lots, works.....lb. .24½- .26
80-100 mesh, works.....lb. .24½- .26
5 tons, works.....lb. .24¾- .26¼
smaller lots, works.....lb. .25 - .26½
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .23 - .24
80-100 mesh, bgs., c.l., duty paid..lb. .23½- .24½
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .21½- .22
No. 1, regular, bls.....lb. .21 - .21½
shortstick, bls.....lb. .19 - .19½
broken, bls.....lb. .18 - .18½
China, buds, bgs.....lb. .17½- .18
Rolls, select, bls.....lb. .16½- .17
broken, extra, bls.....lb. .15½- .16
Saigon, No. 1, 4-10-4, bls....lb. .36 - .37
10-0-2, bls.....lb. .36 - .37
all thin, bls.....lb. .38 - .39
Cassia fistula, bskts.....lb. .22 - .24
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y. long ton.68.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .87 - .89
Indian.....lb. .65 - .66
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —

Cellulose—Dyes

Cellulose, acetate-propionate, low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld..lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .50 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .95 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.10.00 -16.00
bulk, c.l., works....ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.13
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75- —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald..100 lbs. 2.40 - —
1, works, frt., equald..100 lbs. 2.90 - —
Chloroform, tech., 650-lb. dms.lb. .20 - -
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .21½- —
solut., 8½%, cs., bbls.....lb. No price
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .23½- .24
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.90 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Zanzibar .....lb. .16 - .16½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07¼- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08¼- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..ozs. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .22¼- .24
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.36.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Conpango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .19½- —
cryst. .....lb. .18½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.95 - —
l.c.l., dealers.....100 lbs. 9.95 - —
Copperas, cryst., grn., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .04 Nom.
Coriander, bgs.....lb. .10¼- .10¾
bleached, bgs.....lb. .12 - .12½
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.32 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% potash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.35.50 - —
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½- —
smaller lots, bbls.....lb. .53 - —
kgs. .....lb. .53½- —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18¼
Cresol, USP, dms., c.l., works..lb. .10¼- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l. .....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .19 - .19½
Cyprus, bgs.....lb. .19¼- .19¾
Indian, bgs.....lb. .18 - .18½
Persian, bgs.....lb. .18¼- .18¾
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75% gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works lb. .32 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .60 - .65
Decanol, normal, tech., 360 lbs. dms., dlvd..lb. .35 - —
Deertongue leaves, bls .....lb. .12 - .14
Degras, common, dom., bbls...lb. .08¼- .08¾
neutral, dom., bbls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.23 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08¼- —
l.c.l., bgs. .....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works..... ....lb. .092 - —
tanks, works..... ....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l. ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - .20
l.c.l., dlvd.....lb. .19½- .20½
tanks, dlvd.....lb. .18 - .19
cns., works.....lb. .22½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99% dms.....lb .35 - —
Oxalate, dms., l.c.l., dlvd....lb .28 - —
Diethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l. .....lb. .20½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works..lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08¼- .08¾
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd..lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .43 - .45
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.43.00 - —
Venezuelan .....ton.47.00 - —
Doggrass root, imp. cut, NF, bls. lb. .99 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .85 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 6.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. 1.75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .56 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .85 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .90
Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .32 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Red:—
75 Sudan II.....lb. 1.06 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
51 Yellow OB.....lb. 1.40 - —

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Black:—
864 Nigrosin.....lb. .38 - .44

Blue:—
860 Indulin.....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —

Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—

Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
.054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Brown:—
284 Resorcin brown Y.....lb. .65 - —
285 Resorcin dark brown R, lb. .66 -
281 Bismarck brown G....lb. .42 - .57
332 Bismarck brown R....lb. .42 - .57
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.35 - —

Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .90 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
185 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Eggs albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .90 - —
imported .....lb. .80 - —
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.80
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
100 ozs.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .65 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.00 - 2.10
Eserine, bots.....oz.50.00 -72.00
Salicylate, bots.....oz.42.00 -45.00
Sulphate, bots.....oz.42.00 -45.00

Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .75 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53

Ethyl acetate, 85-90%, dms., c.l., frt alld..lb. .06½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt.. alld.....lb. .07½- —
95-98%, dms., c.l., frt. alld..lb. .08¾- —
l.c.l., frt. alld.....lb. .09¼- —
tanks, frt. alld.....lb. .07¾- —
NF, 390-lb. dms.....lb. .09 - —
cns., 35 lbs.....lb. .13 - .14

Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Benzoate, bots.....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oenanthate, dms.....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .25 - —
Oxyhydrate, bots.....gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks....lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 4.75 - 6.00
5-lb. lots, cns.....lb. 4.80 - 6.05
1-lb. lots, cns.....lb. 4.95 - 6.15

Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0742- —
West of Rockies, same basis..lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0795- —
West of Rockies, same basis..lb. .0841- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works.....lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .90 - .95
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 2.00 - 2.10
Euphorbia, bls.....lb. .09 - .10

Dyes—Fish Scrap

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.50 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bags.....lb. .09 - .09½
French, bgs .....lb. No stocks
German, large, bgs.....lb. No stocks
Roumanian, bgs.....lb. .11½- .12
Fenugreek, seed, bgs.....lb. .06¾- .07¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works...lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.50 -17.00
Oregon, bbls.....gal. 1.10 - 1.25
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 4.25 & .10

THE COUNTRY'S FOUNDERS, in uniting the separate colonies into one great nation under the Constitution of the United States, formed a notable merger of resources and facilities for the greater benefit of the people . . . their industries and commerce.

It is to this historic pattern, expanding the advantages of those we are privileged to serve . . . that the Niagara Alkali Company

"ORDAINED AND ESTABLISHED" FOR THOSE WE SERVE

"SIGNING OF THE CONSTITUTION," BY J. B. STERNS. REPRODUCED THROUGH COURTESY OF ROBERT FRIDENBERG GALLERIES.

and the Electro Bleaching Gas Company, affiliated since 1915, now unite as one enterprise in the fields of chemical research and manufacture under the name of Niagara Alkali Company.

As the Niagara Alkali Company, we will endeavor to solidify our new greatness by continuing to maintain the ideals and high principles of product integrity that always identified our services, while expanding the scope of these efforts for greater usefulness to both our old customers and new friends.

Niagara
ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
CAUSTIC POTASH · CAUSTIC SODA
PARA · CARBONATE OF POTASH
Liquid Chlorine
EBG NIAGARA ALKALI COMPANY

Fish Meal—Iron Chloride

Fish meal, bgs., f.o.b. Balto..ton.65.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts..... unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon.. bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Flaxseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs.....lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 98-98½, f.o.b. mines.. net ton.30.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines.net ton.22.00 -28.00
No. 2, lump, 85.5 f.o.b. Ky. ton. No prices
and Ill. mines..net ton.22.00 -23.00
imported, 85.5, duty paid, short
Formaldehyde, bbls., c.l., works, lb. .0550- .0575
l.c.l., works.....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks .....lb. .04 - .04½

For OPM formaldehyde price ceiling, see page 3.

Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton.15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .17½- .19½
Fustic, cryst., bgs., No. 1....lb. .30 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
extract, bbls., No. 1.....lb. .15 - —
No. 2..lb. .14 - —
No. 3..lb. .11½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .09 Nom.
plantation, cases.....lb. .12 Nom.
cubes, Singapore, cases..lb. .10 Nom.
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax...gal. .07½- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅝- .06½
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅝- .06⅝
natural, 18-55, tanks....gal. .03⅝- .04
26-70, tanks.....gal. .03⅝- —
Gelatine, silver, cs.....lb. .70 - .77
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .70 - .72
grd., bbls., bxs.....lb. .72 - .74
powd., bbls., bxs.....lb. .74 - .76
Geraniol, 92-96%, cns., dms...lb. 2.35 - 2.50
other grades, cns., dms.....lb. 1.50 - 2.25
soap, cns., dms.....lb. .90 - 1.35
Ginger, African, No. 1, bgs...lb. .23 Nom.
Cochin, bgs.....lb. .23 Nom.
Jamaica, bold, bgs.....lb. .34 - .35
medium, bgs.....lb. .30 - .31
grinding, bright, bgs.....lb. .29 - .30
Ginseng root, wild Southern, cs. lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.28
5 tons or over, works, 100 lbs. 1.15 - 1.35
less than 5 tons, works, 100 lbs. 1.25 - 1.45
import, bxs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 35 jellygrams, bgs., c.l., dlvd. East or Midwest.....lb. .16 Nom.
l.c.l. .....lb. .16½ Nom.
36/58, c.l.....lb. .15½ Nom.
l.c.l. .....lb. .16 Nom.
58/82, c.l.....lb. .17 Nom.
l.c.l. .....lb. .17½ Nom.
82/108, c.l.....lb. .17½ Nom.
l.c.l. .....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East or Midwest.....lb. .19 Nom.
l.c.l. .....lb. .19½ Nom.
60/164, c.l.....lb. .19½ Nom.
l.c.l. .....lb. .21 Nom.
67/122, c.l.....lb. .21½ Nom.
l.c.l. .....lb. .22 Nom.
75/222, c.l.....lb. .24½ Nom.
l.c.l. .....lb. .25½ Nom.
68/251, c.l.....lb. .24½ Nom.
l.c.l. .....lb. .26½ Nom.
92/283, c.l.....lb. .26½ Nom.
l.c.l. .....lb. .27½ Nom.
102/315, c.l.....lb. .27½ Nom.
l.c.l. .....lb. .28 Nom.
113/347, c.l.....lb. .28 Nom.
l.c.l. .....lb. .29 Nom.
125/379, c.l.....lb. .29 Nom.
l.c.l. .....lb. .30 Nom.

Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.

Glycerin, CP, cns., l.c.l.....lb. .16½- .17
dms., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .14¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .13¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .15½ Nom.
l.c.l., same basis..lb. .16½ Nom.
tanks .....lb. .15 Nom.
refiners, dms., returnable, tanks, dlvd..lb. .14 Nom.
soaplye, basis 80%, dms., returnable, tanks, dlvd..lb. .13 Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .18½- .19
Goldenseal, root, bls.....lb. 3.50 - 3.60
powd., bxs.....lb. 3.75 - 3.85
Grains of paradise, bgs.....lb. .35 - .37
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03½- —
bbls., c.l., works.....lb. .02⅝- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03⅝- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .07½ Nom.
white .....lb. .08 Nom.
yellow .....lb. .07½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .08 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07½- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Tunstated, brilliant, kgs.....lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .21 - .22
white, sorts, 1, bgs.....lb. .39 - .40
powd., bbls.....lb. .23 - .24
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.80
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 35% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .18¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
Gum, copal, Congo, 20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs....lb. .11¼- —
unscraped, bgs.....lb. .10¼- —
chips, bgs.....lb. .07¼- —
dust, bgs.....lb. .07 - —
nubs and chips, bgs.....lb. .07¼- —
black, bold, scraped, bgs..lb. .11½- —
unscraped, bgs.....lb. .08 - —
nubs and chips, bgs.....lb. .07¾- —
Hiroe, Macassar, pale bold, bgs..lb. .14¾- —
chips, bgs.....lb. .10¼- —
dust bgs.....lb. .07 - —
nubs, bgs.....lb. .12 - —
Singapore, Rasak, bold, bgs., lb. .20¾- —
chips, bgs.....lb. .11½- —
dust, bgs.....lb. .07 - —
nubs, bgs.....lb. .16¼- —
Manila, Boeas, amber and dark, bskts.....lb. .14 - —
light, bskts.....lb. .15¾- —
Loba A, bskts.....lb. .14½- —
B, bskts.....lb. .14¼- —
C, bskts.....lb. .13¾- —
CNE, bskts.....lb. .10½- —
D, bskts.....lb. .13¼- —
DK, bskts.....lb. .10 - —
dust, bskts.....lb. .07¾- —
Sambas and white split chips, bskts..lb. .15¾- —
Singapore, dust, bskts.....lb. .07¾- —
Spirit-soluble, CBB, bskts., lb. .13½- —
DBB, bskts.....lb. .12¾- —
MA, bskts.....lb. .10¼- —
MB, bskts.....lb. .09¾- —
WS, bskts.....lb. .12¼- —
Philippine, Manila, amber sorts, bskts..lb. .10⅝- —
chips, pale, bskts.....lb. .13½- —
pale, small, bskts.....lb. .11¾- —
extra pale, sorts, bskts..lb. .13¼- —
nubs, bskts.....lb. .14¼- —
scraped, bskts.....lb. .15½- —
seeds and dust, bskts....lb. .09¼- —
Pontianak, bold, genuine, bgs., lb. .22⅞- —
mixed, bgs.....lb. .17⅜- —
split, bgs.....lb. .10⅝- —
chips, bgs.....lb. .12⅞- —
nubs, bgs.....lb. .18⅞- —
Dammar, Batavia, A, cs., same basis as copal..lb. .25⅞- —
A/C, cs.....lb. .23½- —
A/D, cs.....lb. .20½- —
A/E, cs.....lb. .18¼- —
B, cs.....lb. .24⅜- —
C, cs.....lb. .20⅜- —
D, cs.....lb. .18¼- —
dust, cs.....lb. .09⅞- —
E, cs.....lb. .13⅜- —
F, cs.....lb. .10½- —
Singapore, 1, cs.....lb. .24 - —
2, cs.....lb. .17⅞- —
3, cs.....lb. .09⅞- —
chips, cs.....lb. .16¾- —
dust, cs.....lb. .09⅞- —
seeds, cs.....lb. .13⅜- —
Elemi, cns, same basis as copal..lb. .08½- —
Ester, ordinary, c.l., dms., contract, dlvd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .07½- .09
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08 - .09½
Pacific Coast (water shipt.)..lb. .07½- .10
Other points.....lb. .07¾- .10¼

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .80 - —
BX, cs., c.l., same basis..lb. .35 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis.lb. .61 - —
2, cs., c.l., same basis....lb. .41 - —
3, cs., c.l., same basis....lb. .24 - —
4, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.40 Nom.
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 2.00 - 2.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.60 - 2.60
Yacca, bgs.....lb. .06½- .07¾
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13¼- —
No. 2.....lb. .12½- —
No. 3.....lb. .11½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .08 - .08½
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .30 - .31
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3.. gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.75 - 3.00
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. 100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .03¾- .04
.16 - .18¼
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 3.90 Nom.
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.25 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .40 - —
No. 2..lb. .32 - —
extract, bbls, No. 1.....lb. .23 - —
No. 2..lb. .18 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16¼- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .52 - .55
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 590-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —

Iron, citrate, USP VIII, pearls..lb. .72 - .75
[illegible] .84 - .8[illegible]
scales, cns.. .....lb. .77 - .80
Glycerophosphate, bbls, bxs., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms.....lb. 1.50 - 1.60
Iodide, bots.....lb. 5.18 - 5.32
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns. .....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms. .....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb.0860 - —
tanks, works.....lb.0760 - —
Propionate, dms., works...lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld.. gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .37 - .48
powd., bbls., bxs.....lb. .42 - .53
resin, jump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .75 - .90

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04⅝- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅝- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.10.50 -10.60
Middlewestern, trcs....100 lbs.10.20 -10.30
Neutral, trcs.....100 lbs.11.25 -11.50
Western, choice, trcs..100 lbs.10.30 -10.40
Compound, trcs.....100 lbs.14.50 -14.75
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .48 - .49
Portuguese, bls.....lb. .28 - .30
Turkish, bls.....lb. .58 - .60
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .83 - .85
select, bls.....lb. .93 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¾
Arsenate, bgs., c.l.....lb. .09 - .11
l.c.l., bgs.....lb. .09½- .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whs., pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¾- —
l.c.l., divd. E.....lb. .07 - —
divd., Aris., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars .....lb. 2.69 - —
Lead, linoleate, pale, precip., dms..lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .28 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0885- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08⅝- —
smaller lots, Ala., etc. lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc.lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09⅝- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala..lb. .09⅝- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
95% Pb_3O_4, bbls., c.l., (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09⅝- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09⅝- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.59 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .23 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse....lb. .10½- —
smaller lots, E. frt. alld..lb. .10⅝- —
Pac. Cst., ex whse....lb. .10⅝- —

Iron Citrate—Lime, Chemical

Lead, white, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo...lb. .07⅞- —
other points.....lb. .07½- —
l.c.l., divd. Ariz., etc...lb. .08 - —
other points.....lb. .07⅞- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., divd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¼- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis. lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —

Lecithin

(Vegetable)

Now available in either Soya Bean Oil or Cocoa Butter carrier for prompt delivery direct from factory.

We also solicit inquiries on these products

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • LECITHIN • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Gum, Copal—Lime

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.,
Rincon, Cal. ..... ton. 13.00 - —
Ripplemead, Va. ..... ton. 7.00 - —
Riverton, Va. ..... ton. 7.00 - —
Rockland, Me. ..... ton. 8.00 - —
San Francisco, Cal. ..... ton. 13.00 - —
Scioto, Ohio. ..... ton. 6.50 - —
Springfield, Mo. ..... ton. 7.00 - —
Woodville, Ohio. ..... ton. 7.00 - —
York, Pa. ..... ton. 7.00 - —

Hydrated, paper bgs., f.o.b.
Adams, Mass. ..... ton. 8.50 - —
Bellefonte, Pa. ..... ton. 8.50 - —
Berkley, W. Va. ..... ton. 8.50 - —
Buffalo, N. Y. ..... ton. 10.00 - —
Carey, Ohio. ..... ton. 8.50 - —
Cedar Hollow, Pa. ..... ton. 8.00 - —
Crab Orchard, Tenn. ton. 9.00 - —
Eagle Mountain, Va. ton. 8.50 - —
Farnams, Mass. ..... ton. 8.50 - —
Gibsonburg, Ohio. ..... ton. 8.50 - —
Hannibal, Mo. ..... ton. 8.50 - —
Keystone, Ala. ..... ton. 9.00 - —
Knoxville, Tenn. ..... ton. 9.00 - —
Le Roy, Minn. ..... ton. 10.00 - —
Lime Crest, N. J. ..... ton. 8.50 - —
Limedale, Ark. ..... ton. 9.00 - —
Longview, Ala. ..... ton. 9.00 - —
Louisville, Ky. ..... ton. 14.50 - —
Manistique, Mich. ..... ton. 9.00 - —
Marblehead, Ohio. ..... ton. 9.50 - —
Martinsburg, W. Va. ton. 8.50 - —
Mitchell, Ind. ..... ton. 9.00 - —
Newala, Ala. ..... ton. 9.00 - —
Potoskey, Mich. ..... ton. 9.00 - —
Port Island, Mich. ..... ton. 9.00 - —
Rapid City, S. D. ..... ton. 12.00 - —
Ripplemead, Va. ..... ton. 9.00 - —
Rockland, Me. ..... ton. 9.00 - —
San Francisco, Cal. ..... ton. 16.00 - —
Springfield, Mo. ..... ton. 9.00 - —
Woodville, Ohio. ..... ton. 8.50 - —
York, Pa. ..... ton. 8.50 - —

spray, paper bgs., f.o.b.
Adams, Mass. ..... ton. 9.50 - —
Bellefonte, Pa. ..... ton. 9.00 - —
Carey, Ohio. ..... ton. 11.00 - —
Farnams, Mass. ..... ton. 9.50 - —
Gibsonburg, Ohio. ..... ton. 11.00 - —
Lime Crest, N. J. ..... ton. 8.50 - —
Marblehead, Ohio. ..... ton. 11.00 - —
Rockland, Me. ..... ton. 10.00 - —
Scioto, Ohio. ..... ton. 10.00 - —
Woodville, Ohio. ..... ton. 11.00 - —
York, Pa. ..... ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex. ..lb. .07½ - .08½
dms., same basis ..... lb. .10½ - —
400 lbs., or more, bgs., same basis ..... lb. .07¾ - .08¾
dms., same basis ..... lb. .11 - —
less than 400 lbs., same basis ..lb. .08½ - .09½
dms., same basis ..... lb. .12 - —
Solution, Zone 1, dms., consumers ..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½ - —
30-50, dms. ..... gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½ - —
30-50 dms. ..... gal. .10½ - .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal. gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½ - —
dms. ..... gal. .12 - —
Zone 6, tanks, dealers ....gal. .07½ - —
30-50 dms. ..... gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns. ..... lb. 3.75 - 4.00
Linalyl acetate, 70%, cns. ..... lb. 3.00 - 3.50
90%, cns. ..... lb. 4.00 - 4.50
92%, cns. ..... lb. 5.50 - 6.20
Linden flowers, with leaves, bls. lb. .70 - .75
without leaves, bls. ..... lb. .55 Nom
Linseed, meal, bgs. ..... ton. 28.00 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. ..lb. .0760 -
dlvd., other points ..... lb. .0735 -
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼ -
Colo., Mont., N. Mex., Wyo..lb. .08¼ -
Other points ..... lb. .07¾ -
smaller lots, dlvd., Ala. lb. .08½ -
Ariz., etc. ..... lb. .09 -
Colo., etc. ..... lb. .08¾ -
Other points ..... lb. .08¼ -
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 -
50 lbs., works ..... lb. 1.93 -
25 lbs., works ..... lb. 1.95 -
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 -
100-lb. kgs. ..... lb. 1.30 -
Chloride, 25-lb jars ..... lb. 1.65 - 1.70
Citrate, 250-lb. bbls. ..... lb. 1.40 -
25-lb. dms. ..... lb. 1.45 -
100-lb. kgs. ..... lb. 1.40 -
Fluoride, bbls. ..... lb. 2.10 - 2.25
Iodide, 5-lb. bots. ..... lb. 5.20 -
25-lb. jars ..... lb. 5.05 -
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .06¼ -
smaller lots ..... lb. .05¼ -
bbls., c.l. (20 tons) ..... lb. .06¼ -
smaller lots ..... lb. .05¾ -
Ordinary, bgs., c.l. (20 tons). lb. .0385 -
smaller lots ..... lb. .0410 -
bbls., c.l. (20 tons) ..... lb. .0410 -
smaller lots ..... lb. .0485 -

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ½c. higher ex whse. Pac. Cst.

Liverwort, leaves, bls. ..... lb. .60 - .65
Lobelia, herb, bls. ..... lb. .23 - .25
Seed, bgs. ..... lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .26 - —
No. 2..lb. .24 - —
extract, bbls., No. 1 ..... lb. .13 - —
No. 2..lb. .12 - —
No. 3..lb. .11½ - —
No. 4..lb. .09 - —
solid, bxs., No. 1 ..... lb. .22 - —
No. 2..lb. .20 - —
Lovage root, dms., bls. ..... lb. .45 - .50
imported, bls. ..... lb. .45 Nom.
Lupulin, N.E., tins ..... lb. 1.65 - 1.70
Lycopodium, cs. ..... lb. 4.50 - 4.75

M

Mace, Banda, cs. ..... lb. .47 - .48
Batavia, cs. ..... lb. .29 - .30
Siauw, cs. ..... lb. .37 - .38
West Indian, cs. ..... lb. .51 - .52
Madder, Dutch, bbls. ..... lb. .22 - .25
Magnesia, arsenate, dms. ..... lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼ - —
bbls. ..... lb. .07½ - —
kgs. ..... lb. .08¾ - —
l.c.l., bgs. ..... lb. .07¼ - —
bbls. ..... lb. .08½ - —
kgs. ..... lb. .09¾ - —
Zone 2, c.l., bgs. ..... lb. .06¼ - —
bbls. ..... lb. .07½ - —
kgs. ..... lb. .08¾ - —
l.c.l., bgs. ..... lb. .07 - —
bbls. ..... lb. .08¼ - —
kgs. ..... lb. .09½ - —
USP, Zone 1, c.l., bgs. ..... lb. .08 - —
bbls. ..... lb. .08½ - —
kgs. ..... lb. .09¾ - —
l.c.l., bgs. ..... lb. .09 - —
bbls. ..... lb. .09½ - —
kgs. ..... lb. .10¾ - —
Zone 2, c.l., bgs. ..... lb. .08 - —
bbls. ..... lb. .08½ - —
kgs. ..... lb. .09¾ - —
l.c.l., bgs. ..... lb. .08¾ - —
bbls. ..... lb. .09¼ - —
kgs. ..... lb. .10¾ - —
Other points ..... lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons. 32.00 - —
l.c.l., bbls., wks. ..... ton. 39.00 -42.00
Hydroxide, med., 200-lb. bbls. lb. .25 - —
25-lb. dms. ..... lb. .30 - —
100-lb. kgs. ..... lb. .26 - —
Hypophosphite, cns., 100 lbs. lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls. ..... lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls. ..... lb. .15 Nom.
Stearate bbls., ctns., 1 ton..lb. .25 - —
smaller lots ..... lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms. ..... lb. .42 - —
cs., 500-lb. lots ..... lb. .40 - —
100-lb. lots ..... lb. .42 - —
5-lb. cns. ..... lb. .60 - —
Magnesite, cal., dom., bgs...ton. 67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -25.00
Malva flowers, black, bls. ..... lb. .90 - .95
blue, bls. ..... lb. .90 Nom.
Leaves, bls. ..... lb. .40 - .45
Manaca root, bls. ..... lb. .23 - .24
Mandrake root, bls. ..... lb. .14 - .15
Manganese acetate, dms. ..... lb. .26½ - —
Arsenate, bgs. ..... lb. .12 - .12½
Borate, tech., bbls. ..... lb. .15 - .16
Carbonate, bbls. ..... lb. .19 - —
Chloride, bbls. ..... lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton. 71.50 - —
5-15 tons, works ..... ton. 74.50 - —
½, 4 tons, works ..... ton. 79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works ..... ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works ..... ton. 74.75 - —
smaller lots, works..ton. 79.75 - —
paper bgs., c.l., works..ton. 70.00 - —
l.c.l., 5 tons, works ..... ton. 73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots ..... lb. 3.15 - —
cns., 25 lbs. ..... lb. 3.27 - —
Hydrate, bbls., dlvd. ..... lb. .82 - —
Iodide, bots., 5 lbs. ..... lb. 5.70 - —
jars, 25 lbs. ..... lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼ - .08½
precip., dms. ..... lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10½ - —
single, bbls, works ..... lb. .11½ - —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton. 57.00 - —
l.c.l., bgs. ..... ton. 65.00 -75.00
Mangrove bark, bgs., shipt...ton. 37.00 -38.00
Manna flake, large, cs. ..... lb. 2.00 Nom.
small, cs. ..... lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works ..... lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs. ..... ton. 12.00 -14.00
Marjoram, French, No. 1 ..... lb. .60 Nom.
Tunisan, bls. ..... lb. .32 - .33
Chilean ..... lb. .12½ - .13
Menthol, natural, Chinese, cs..lb. 7.00 - 7.50
Japanese, cs. ..... lb. 7.00 - 7.50
synthetic, USP, cs. ..... lb. No prices
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots ..... lb. 3.10 - —
Mercurial ointment, 30%, pails.
50 lbs. ..... lb. 1.34 - —
25 lbs. ..... lb. 1.36 - —
50%, pails, 50 lbs. ..... lb. 1.94 - —
25 lbs. ..... lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots. ..... lb. 2.82 - —
100-lb. fib. dms. ..... lb. 2.69 - —
25-lb. jars ..... lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst. ..... lb. 4.00 - 4.05
powd. ..... lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms. ..... lb. 4.40 - —
yellow, 5-lb. bots. ..... lb. 4.61 - —
fib. dms., 100 lbs. ..... lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mesityl oxide, dms., c.l., dlvd..lb. .11½ - —
l.c.l., dlvd. ..... lb. .12 - —
Mercury and chalk, 5-lb. ctns..lb. 1.65 - —
25-lb. fib. dms. ..... lb. 1.73 - 1.75
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 3½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in..pkg. 3.00 - —
gold, XX, deep, 23K, 3¾x3¾ in. pkg. 15.00 - —
silver, 3¾x3¾ in. ..... pkg. 3.00 - —
Metanitroparatoluidin, bbls. ..lb. 1.05 - 1.10
Metaphenylenediamine, kgs. ..lb. .65 - —
Metatoluylenediamine, kgs. ..lb. .70 - —
Methanol, natural, producer group A, denat., grade tanks ..gal. .60 - —
95%, tanks ..... gal. .73 - —
97%, tanks ..... gal. .75 - —
Pure, dms. ..... gal. .86 - —
Methanol in drums, car lots, is 1c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.
group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2 ..... gal. .42 - —
Zone 3 ..... gal. .44 - —
Zone 4 ..... gal. .44½ - —
dms., c.l., Zone 1 ..... gal. .45½ - —
Zone 2 ..... gal. .47½ - —
Zone 3 ..... gal. .49½ - —
Zone 4 ..... gal. .51½ - —
l.c.l., Zone 1 ..... gal. .48½ - —
Zone 2 ..... gal. .65½ - —
Zone 3 ..... gal. .52½ - —
Zone 4 ..... gal. .65½ - —
Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.
Synthetic, pure, dms., c.l., Zone 1, frt. alld. ..gal. .35½ - —
2, frt. alld. ..... gal. .37½ - —
3, frt. alld. ..... gal. .39½ - —
4, frt. alld. ..... gal. .41½ - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½ - —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½ - —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld. ..... gal. .32 - —
3, frt. alld. ..... gal. .34 - —
4, frt. alld. ..... gal. .34½ - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½ - .12
W. of Miss. R. ..... lb. .11½ - .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R. ..... lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½ - —
W. of Miss. R. ..... lb. .10½ - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss R. ..... lb. .08 - .10
l.c.l., dlvd. E. of Miss. R..lb. .07½ - .09½
W. of Miss. R. ..... lb. .08½ - .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R. ..... lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½ - —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis ..... gal. .66 - —
l.c.l., same basis ..... gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2 ..... gal. .52 - —
Zone 3 ..... gal. .54 - —
Zone 4 ..... gal. .54½ - —
dms., c.l., Zone 1 ..... gal. .55½ - —
Zone 2 ..... gal. .57½ - —
Zone 3 ..... gal. .59½ - —
Zone 4 ..... gal. .61½ - —
l.c.l., Zone 1 ..... gal. .58½ - —
Zone 2 ..... gal. .75½ - —
Zone 3 ..... gal. .62½ - —
Zone 4 ..... gal. .75½ - —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.
Methyl acetone, synthetic, tanks, Zone 1..gal. .43 Nom.
Zone 2 ..... gal. .44½ Nom.
Zone 3 ..... gal. .45½ Nom.
Zone 4 ..... gal. .46½ Nom.
dms., c.l., Zone 1 ..... gal. .51 Nom.
Zone 2 ..... gal. .52 Nom.
Zone 3 ..... gal. .53½ Nom.
Zone 4 ..... gal. .54½ Nom.
l.c.l., Zone 1 ..... gal. .54½ Nom.
Zone 2 ..... gal. .57 Nom.
Zone 3 ..... gal. .58 Nom.
Zone 4 ..... gal. .59 - —
Methyl, alcohol (see Methanol).
Anthranilate, bots. ..... lb. 2.00 - 2.30
Benzoate, cns., 25 lbs. ..... lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls. ..... lb. 1.50 - 4.00
Formate, dms. ..... lb. .69 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots. ..... lb. 4.00 - 4.15
Salicylate, dms. ..... lb. .35 - .37
cns. ..... lb. .37 - .40
Molybdated violet toner, bbls. lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .26 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works ..... lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .23 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. ..... lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½ - —
l.c.l., same terms ..... lb. .09 - —
tanks, same terms ..... lb. .07½ - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd. ..... lb. .12½ - —
tanks, dlvd. ..... lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns..lb. 2.75 - 3.05
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Millwaukee..ton. 9.00 - —
l.c.l., same basis ..... ton. 11.00 - —
180 mesh, containers extra, c.l., same basis..ton. 11.00 - —
l.c.l., same basis ..... ton. 13.00 - —
250 mesh, containers extra, c.l., same basis..ton. 12.00 - —
l.c.l., same basis ..... ton. 14.00 - —
325 mesh, containers extra, c.l., same basis..ton. 15.00 - —
l.c.l., same basis ..... ton. 17.00 - —
400 mesh, containers extra, c.l., same basis..ton. 17.50 - —
l.c.l., same basis ..... ton. 19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 - —
l.c.l., 5,000 lbs., works, ton. 40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½ - —
100 lbs., works ..... lb. .03 - —
refined, bgs., extra and returnable, c.l., wks..ton. 20.00 - —
l.c.l., 5,000 lbs., works, ton. 30.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 55.00 - —
l.c.l., 5,000 lbs., works, ton. 65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 35.00 - —
l.c.l., 5,000 lbs., works, ton. 45.00 - —
1,000 lbs., works..lb. .02½ - —
500 lbs., works..lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton. 29.00 - —
l.c.l., 5,000 lbs., works, ton. 39.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 60.00 - —
l.c.l., 5,000 lbs., works, ton. 70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½ -
l.c.l., ex whse., or frt. alld. E..lb. .05 -
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04½ -
l.c.l., ex whse., or frt. alld. E..lb. .04¾ -
rubber, bgs., c.l., frt. alld. E. lb. .04 -
l.c.l., ex whse., or frt. alld. E..lb. .04½ -
biotite, bgs., c.l., frt. alld. E..lb. .03½ -
l.c.l., ex whse. or frt. alld. E..lb. .04 -

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .10½ -
l.c.l. ..... lb. .11½ -
spray, bbls., c.l. ..... lb. .10½ -
l.c.l. ..... lb. .11½ -
unskimmed, roller, bbls., c.l., lb. .25½ -
l.c.l. ..... lb. .26½ -
spray, bbls., c.l. ..... lb. .26 -
l.c.l. ..... lb. .27 -
Millet seed, yellow, bgs. ..... lb. .0240 - .0260
early fortune, bgs. ..... lb. .02¼ - .02¾
hulled, bgs. ..... lb. .06½ - .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .09½ -
f.o.b. Gulf ports ..... gal. .09 -
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 -
technical, kgs., basis Mo. content, works..lb. .80 -
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 -
l.c.l., works ..... lb. .53 -
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 -
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 -
l.c.l., works ..... lb. .40 -

Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns. lb. .08 - .09
Monoethanolamine, dms., c.l., works lb. .24 - —
l.c.l., dms. lb. .25 - —
tanks lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works lb. .32 - —
l.c.l., works lb. .35 - —
Monoethylanilin, dms. lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd. lb. .60 - —
l.c.l., dlvd. lb. .65 - —
Monomethylpara-aminophenol sulphate, dms. lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms. lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs. oz. 11.10 - —
cns., 25 ozs. oz. 10.90 - —
Acetate, bots., 5 ozs. oz. 9.00 - —
bots., 25 ozs. oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz. 10.75 - —
cns., 25 ozs. oz. 10.55 - —
Hydrobromide, bots., 5 ozs. oz. 8.95 - —
cns., 25 ozs. oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans. lb. 8.80 - —
Sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs. oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works lb. .67 - —
smaller containers, works lb. .75 - —
Mullein leaves, cans. lb. .15 - .16
flowers, cns. lb. 1.50 - 1.55
Musk, nat., Tonquin, grains, bots. oz. 30.00 -35.50
synth., ambrette, cns., 100 lbs. or more lb. 3.75 - —
5 lbs. to 75 lbs. lb. 3.85 - —
1 lb. lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs. lb. 4.00 - —
1 lb. lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs. lb. 1.25 - —
1 lb. lb. 1.55 - —
Musk root, bls. lb. .50 - .60
Mustard seed, California, brown. lb. .16 - .16½
yellow, bgs. lb. .16 - .16½
Chinese, yellow, bgs. lb. .08¼- .08¾
Danish, yellow. lb .27 - .28
English, yellow, bgs. lb. .27½- .28
Dutch, yellow, bgs. lb. No stocks
Montana, yellow, bgs. lb. .12½- .13
Roumanian, yellow. lb. .15½- .16
Myrobalans, J1, bgs., f.a.s. ton. No price
J2, bgs., f.a.s. ton. No price
Extract, liquid, 25%, bbls. lb. No prices
solid, 50%, bbls. lb. No prices
powdered, bbls. lb. .10 - .10¼

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works 100 lbs. 2.25 - —
78 deg., tanks, works 100 lbs. 2.50 - —
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works, lb. .08 - —
50-lb. cs., same basis lb. .08¼- —
pkgs. (16 oz.), same basis lb. .08½- —
(12 oz.), same basis pkg. .07 - —
Nerolin, cryst., cns. lb. 1.35 - 1.50
Nickel carbonate, bbls. lb. .36 - .36½
Chloride, bbls. lb. .18 - .20
Cyanide, 100 lbs., dms. lb. 1.40 - —
25-lb. bot. lb. 1.50 - —
Oxide, black, bbls. lb. .35 - .38
Salt, bbls. lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld. lb. .703 - —
10-lb. tins. lb. .86½- —
Niger seed, bgs. lb. .15 - .16
Nitercake, bulk, works. ton. 16.00 - —
Nitrobenzene, dkl. dist., dms., c.l., lb. .08 - —
l.c.l. lb. .09 - —
tanks lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks., lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports. unit-ton. 1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., dlvd. unit-ton. 2.25 Nom.
f.o.b. Chemical, Ill. unit-ton. 2.25 Nom.
f.o.b. East Coast producing points. unit-ton. 2.75 - 3.00
Import, bgs., c. i. f. Atlantic ports, shipt. unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls. lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis. lb. .25 - —
Nutgalls, Aleppo, bgs., oz. lb. No prices
Chinese lb. .30 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs. lb. .18¼- .19
110s, bgs., cs. lb. .17 - .17½
small, grinding, bgs. lb. .15 - .15½
West Indian, bgs. lb. .14¼- .14¾
Nux Vomica, bls. lb. .07 - .08
powd., bbls., bxs. lb 11 - 12

O

Oakbark extract, 25% tan., bbls., c.l., works. lb. .03½- —
l.c.l., bbls., works. lb. .03¾- —
tanks lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., industrial grade, dms., c.l., G. 3, gal. .15 - —
l.c.l., G.3 gal. .27 - —
10 gals., G.3 gal. .55 - —
tanks, G.3 gal. .12½- —
Octanol, normal, tech., 360-lb. dms., dlvd. lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots. lb. 3.50 - 3.75
sweet, true, exp., cns. lb. 1.75 - 1.90
Amber, crude, cns. lb. No stocks
ref'd, cns. lb. No stocks
Amyris, cns. lb. 3.75 - —
Angelica, root, bots. lb. No stocks
seed, bots. lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms. lb. .95 - 1.00
Apricot, kernels, cns. lb. .40 - .48
Avocado, cns., dms. lb. .80 - .90
Bay, W. I., 50-55% phenols, cns. lb. .90 - 1.25
55-66% phenols, cns. lb. 1.00 - 1.35
Bergamot, artif., cns. lb. 2.75 - 9.25
natural, coppers. lb. 20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns. lb. .90 - —
rect'fd., cns. lb. 1.50 - —
Bois de Rose, Brazil, cns. lb. 3.50 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms. lb. .82 - 1.10
USP IX, cns. lb. .84 - 1.25
USP X, cns. lb. 1.10 - 1.25
Calamus, cns. lb. No stocks
Camphor, sassafrassy, cns. lb. .29 - .30
dms. lb. .27 - .29
white, cns. lb. .32 - .33
dms. lb. .30 - .31
Cananga, native, cns. lb. 9.50 -10.00
rectified, cns. lb. 10.25 -11.00
Capsicum (oleoresin), USP VIII, cns. lb. 3.85 - 5.50
Caraway, USP, cns. lb. 10.50 -12.00
Cardamom, bots. lb. 25.50 -35.00
Cassia, USP, cns. lb. 4.35 - 4.50
Castor, blown, one-way dms., c.l. lb. .13¼- —
l.c.l. lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12 - —
l.c.l. lb. .12¾- —
cns. (1-gal.), l.c.l. lb. .15½- —
dms. (returnable), c.l. lb. .11½- —
l.c.l. lb. .12¾- —
(5-gal.), l.c.l. lb. .13½- —
tanks lb. .11 - —
dehydrated, dms., c.l. lb. .1640- —
l.c.l. lb. .1680- —
tanks lb .1550- —
extracted No. 3, tech., bbls., c.l. lb. .11½- —
l.c.l. lb. .12¾- —
dms. (returnable), c.l. lb. .11¾- —
l.c.l. lb. .12 - —
tanks lb. .10¾- —

Monochloroben.—Oil, Lavin.

Oil, castor sulphonated, 50% (43% fat), dms., c.l. lb. .07¾- —
l.c.l. lb. .08¾- —
75% (63% fat), dms., c.l. lb. .10½- —
l.c.l. lb. .11½- —
80% (68% fat), dms., c.l. lb. .11 - —
l.c.l. lb. .12 - —
Castor oil, USP, and No. 3, prices are dlvd all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.
Cedarleaf, cs. lb. 1.05 - 1.38
dms. lb. 1.00 - 1.35
Cedarwood, Southern, cns. lb. .30 - .34½
dms. lb. .28 - .32½
Celery, bots. lb. 25.00 -31.00
Chaulmoogra, USP, cns. lb. .68 - —
Chinawood, dms. lb. .34¾- —
tanks lb. .33¼ Nom.
Cinnamon, bark, bots. lb. 9.75 -32.00
leaf, dms. lb. 1.00 - 1.20
Citronella, Ceylon, cns. lb. .95 Nom.
dms. lb. .90 Nom.
Java, cns., dms. lb. .85 - .90
Clove, makers, USP, cns. lb. 1.20 - 1.25
dms. lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07½ Nom.
edible, 76°, dms., c.l. lb. .13 Nom.
l.c.l. lb. .13½- .14
tanks lb. No prices
Cod, Newf., dms. gal. .78 - .80
Codliver, med., U.S.P., bbls. bbl. .85 - .90
Coriander, bots. lb. 23.00 -25.00
Corn, crude, tanks, works lb. .11¾ Nom.
refd., bbls. lb. .14¾ Nom.
Cottonseed, cooking, bbls. lb. .14½- —
salad, bbls. lb. .14¾- —
Creosote (see C).
Croton, N.F., cns. lb. 2.40 - 3.00
Cubeb, USP, cns. lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots. lb. 8.00 -12.00
Cypress, bots. lb. 12.00 - —
Degras (see D).
Dill seed, bots. lb. 5.50 - 6.00
weed, bots. lb. 5.75 - 6.25
Dip (see L).
Erigeron, cns. lb. 2.25 - 2.35
Eucalyptus, cns. lb. .68 - .78
dms. lb. .65 - .70
Fennel, sweet, cns. lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 16.00 - —
Bourbon, cns. lb. 16.00- —
Turkish (see Palmarosa)
Grapefruit, cns. lb. 1.63 - 2.65
Grapeseed, dom., dms. lb. .35 - .36
imported, dms. lb. .15 - .20
Ginger, dist., bots. lb. 5.75 - 9.50
Guaiac wood, concrete, bots. lb. 3.75 - 4.50
Halibut liver, ref., dms. gal. 36.00 - —
Hemlock, cns. lb. .95 - 1.15
Juniper, berry, cns. lb. 15.00 - —
wood, tech., cns. lb. No stocks
Juniper tar, USP XI, dms. lb. .72 - .95
Lard, common, 1, bbls. lb. .12¼- —
2, bbls. lb. .11¾- —
extra, bbls. lb. .12½- —
1, bbls. lb. .12¼- —
Winter, strained, bbls. lb. .12¾- —
prime, burning, bbls. lb. .13¼- —
prime, tned., bbls. lb. .13 - —
Laurel, bots. lb. 5.00 Nom.
Lavandin cns., 25 lbs. lb. No stocks

★ SPOT DELIVERIES ★

SODIUM HYDROSULPHITE

ZINC SULPHATE • COPPER CARBONATE

WHITE HEAVY CALCINED MAGNESIA • NICKEL CHLORIDE

WHITE CALCINED MAGNESITE • NICKEL SULPHATE

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Oil, Lavender—Orange Min.

Oil, lavender flower, French 50% ester, cns..lb. No prices
38-42% ester, cns.....lb. 10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. No prices
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 2.70 - 3.00
dms.....lb. 2.60 - 2.90
Lemon, Calif., cns.....lb. 3.25 -
Messina, coppers, cns.....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb. 10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.85 - 1.90
Lime, dist., cns.....lb. 5.75 - 7.25
expressed, cns.....lb. 8.00 -10.75
Terpeneless .....lb. 46.50 -78.00
Linaloe, wood, cns.....lb. 3.25 - 3.40
Linseed, raw, dms., c.l.....lb. .1110- .1130
l.c.l., 10 to 69.....lb. .1150- —
5 to 9.....lb. .1170- —
less than 5.....lb. .1190- —
tanks .....lb. .1020- .1040
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb. 85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-800 vis., 2½-4, tanks, gal. .07½- .11
red, 200-900 vis., 4-6⅞ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .19 - .24
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .11½- .17
200-280 vis., 3, 15-25 pour, tanks..gal. .11½- .13½

Oil, lubricating, at refinery, ex tax, Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks, gal. .25 - .29½
cylinder oils, 600-630 flash, tanks..gal. .14 - .17½
600 - 650 steam ref d. tanks..gal. .14 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .31 - .38½
200 vis., 0-25 pour, tanks, gal. .33 - .40
Mace, dist., cns., dms.....lb. 2.15 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .55 Nom.
Oil, menhaden, ref'd alkali, dms., lb. .1160- —
kettle-boiled, dms.....lb. .1260- —
light-pressed, dms.....lb. .1060- —
tanks .....lb. .0940- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .26½ Nom.
extra, bbls.....lb. .12½- —
1, bbls.....lb. .12¼- —
prime, bbls.....lb. .12⅜- —
pure, bbls.....lb. .17⅜- —
Neroli, bots.....lb. 200.00 -375.00
Nutmeg, dist., cans, dms....lb. 2.15 - 2.65
Oiticica, liquid, dms.....lb. .21½- .22
tanks .....lb. .21 - —
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12⅛- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 4.75 - 5.00

Oil, olive, imported, dms.....gal. 5.25 - 5.50
foots, dms.....lb. .16⅜- .17⅛
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.60 - —
expressed, Calif., cns.....lb. 3.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb. 35.00 -175.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .07⅞ Nom.
Sumatra, tanks.....lb. .07¼- —
distant ship't, bulk.....lb. .04¾- —
Palmarosa, cns.....lb. 3.15 - 3.50
Paraffin, 328° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
100-105 vis., bbls., extra, ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.50 - 8.00
Peanut, crude, nom., tanks..lb. .11½ Nom.
refd., edible, bbls.....lb. .15 Nom.
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms. lb. 3.75 - 4.00
redist., USP, cns., dms....lb. 4.00 - 4.25
Perilla, dms.....lb. .21½- .22
tanks .....lb. .20½- —

Oil, petitgrain, Paraguay, cns., lb. 1.45 - 1.50
dms. .....lb. 1.40 - 1.45
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.-dist., straw-color, dms., divd., E. ports..gal. .65 - —
steam-dist., dms.....gal. .61 - .65
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .15½- .15¾
tax not incl., tanks.....lb. .10 - —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., divd..lb. .11½- .12⅛
tanks, divd.....lb. .10¾- —
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz. 16.75 -20.00
Rosemary, Spanish, cns.....lb. .88 - 1.03
dms.....lb. .85 - 1.00
Rosin, 1st rectified, dms...gal. .48 - —
2d rectified, dms.....gal. .50 - —
3d rectified, dms.....gal. .54 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 7.50 Nom.
Sandalwood, domestic distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .55 Nom.
refd., alkali, dms.....lb. .1160- —
kettle-boiled, dms.....lb. .1260- —
light-pressed, dms.....lb. .1060- —
tanks .....lb. .0940- —
Sassafras, artif., cns.....lb. .78 - 1.30
dms.....lb. No prices
natural, dom., cns., dms...lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Seal, tanks.....gal. .72 - —
Shark, tanks.....gal. .71 - —
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. No prices
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms..lb. .11¼- .12
tanks .....lb. .10¼ Nom.
refd., dms.....lb. .12¼- 12¾
tanks .....lb. .11½ Nom.
Spearmint, dms.....lb. 2.55 - 2.80
Sperm, bleach, 38°, dms.....lb. .1220- —
45°, dms.....lb. .1150- —
natural, dms .....lb. .1100- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns.....lb. 2.50 - 3.25
South, cns.....lb. 1.60 - 1.75
Tall crude, dms., c.l., works, ton. 40.00 - —
l.c.l., works.....ton. 45.00 -50.00
tanks, works.....ton. 30.00 - —
distilled, dms., c.l., divd...lb. .05½- .07
l.c.l., divd.....lb. .06½- .08¼
tanks, divd.....lb .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .12 - —
tanks .....lb. .11½- —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., divd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .27½- —
l.c.l. .....gal. .31 - —
tanks, divd. E. cities..gal. .21 - —
rectfd., USP, bbls., l.c.l., divd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .24 Nom.
refined, dms.....lb. .27 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.85 - 2.20
white, cns.....lb. 1.95 - 2.35
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 8.75 -11.00
Whale, ref., natural, dms...lb. .1010- —
winter, bleach, dms.....lb. .1050- —
Wheat germ, cns., dms.....gal. 17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms.....gal. .43½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66½
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms..gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North. cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.00 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb. 35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
Olivine, ground, 325 mesh, c.l., mines..ton. 20.00 - —
200 mesh, c.l., mines...ton. 17.00 - —
100 mesh, c.l., mines...ton. 15.00 - —
20 mesh to dust.....ton. 12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb. 11.50 - —
25-lb. lots, cns.....lb. 11.75 - —
5-lb. lots, cns.....lb. 12.00 - —
1-lb. lots, cns.....lb. 12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11¾- —
Colo., Mont., N. M., Wyo..lb. .11¾- —

AMERICAN MANUFACTURED AROMATICS OF *Exceptional Quality*

UTMOST PURITY for use in Cosmetics and Perfumes for pure finished products.

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You can depend upon our Aromatics to give the superiority of bouquet that you desire.

Acetophenone
Aldehyde C-10
Aldehyde C-12M
Aldehyde C-14
Aldehyde C-16 100%
Aldehyde C-18 100%
Aldehyde C-20 (Raspberry Aldehyde)
Alpha Amyl Cinnamic Aldehyde
Amyl Salicylate (Trefol-Orchid)
Anisic Alcohol
Benzalacetone (Benzylidin Acetone)
B-Methyl Phenyl Glycidic Acid Ethyl Ester
Benzaldehyde, ffc.
Benzoic Acid Ethyl Ester
Benzoic Acid Methyl Ester
Benzophenone Extra
Benzyl Acetate Ia, ffc.
Benzyl Alcohol, ffc.
Benzyl Benzoate, ffc.
Benzyl Cinnamate
Benzyl Salicylate
Bromelia
Bromstyrol pure
Cinnamic Alcohol
Cinnamic Aldehyde 100% ffc.
Cinnamyl Acetate
Cinnamyl Butyrate
Cinnamyl Formate
Cinnamyl Iso Butyrate
Cinnamyl Propionate
Citronellol
Cumarin 100%
Cuminic Aldehyde
Diacetyl
DiMethyl Anthranilate
DiMethyl Hydroquinone
DiPhenyl Oxide
Ethyl Benzoate
Ethyl Cinnamate
Ethyl Methyl Phenyl Glycidate
Ethyl Phenyl Acetate
Ethyl Phthalate
Ethyl Vanillin (Vanillose)
Geraniol Extra
Geraniol Pure
Geraniol T
Heptylidine Acetone
Hyacinthin Special
Hydratropic Aldehyde
Hydrocinnamic Alcohol
Hydrocinnamic Aldehyde 100%
Hydroxy Citronellal Special
Indol
Indolene
Ionone Ketone
Ionone Methyl
Ionone Terpenes
IsoBornyl Acetate
IsoButyl Furyl Propionate
IsoButyl Salicylate
Methyl Acetophenone (Melilot)
Methyl Amyl Ketone
Methyl Anthranilate
Methyl Anthranilate of Methyl (DiMethyl Anthranilate)
Methyl Benzoate (Niobe-Oil)
Methyl Cinnamate
Methyl Iso Amyl Ketone
Methyl Nonyl Ketone
Methyl Naphthyl Ketone (Orangeol A)
Methyl Phenyl Acetate
Methyl Phenyl Carbinol (Styralyl Alcohol)
Methyl Phenyl Glycidate of Ethyl
Methyl Salicylate (Oil of Wintergreen Art.)
Nerolin Bromelia
Nerolin Yara Yara
Niobe Oil (Methyl Benzoate)
Para Cresyl Acetate
Para Cresol Ethyl Ether
Para Cresol Methyl Ether
Phenyl Acetaldehyde DiMethyl Acetal
Phenyl Ethyl Acetate
Phenyl Ethyl Butyrate
Phenyl Ethyl Iso Butyrate
Phenyl Ethyl Alcohol
Phenyl Ethyl Cinnamate
Phenyl Propyl Alcohol
Phenyl Propyl Aldehyde
Pineapple Base Special
Rhodinol
Styralyl Acetate
Styralyl Alcohol (Methyl Phenyl Carbinol)
Terpineol
Terpineol Alpha Extra
Tetra Hydro Para Methyl Quinoline
Tolyl Aldehyde
Undecalactone
Vanillin Crystals C.P.
Vanillose (Ethyl Vanillin)
Yara Yara

PRODUCT GL 4C A non-toxic wetting agent and detergent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

INDOL.

COLLORESIN Replaces Gum Tragacanth satisfactorily.

Request for samples on your firm's letterhead will be promptly answered

Aromatics Division
GENERAL DRUG COMPANY
644 PACIFIC STREET, BROOKLYN, N. Y.
9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES
1019 ELLIOTT STREET, W., WINDSOR, ONT.

RECEIVED AUG 25 1941

U.S.I. ALCOHOL NEWS

August ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1941

LOTION-MAKERS CHOOSE INDALONE

Outdoor activities bring a demand for non-greasy lotions with sun-screening and insect-repellent properties. Lotions of this type, formulated with INDALONE, U.S.I.'s film-forming solvent, have been placed on the market this season by a number of leading manufacturers.

Sun-Screening, Insect-Repellent Products Employ U.S.I. Solvent

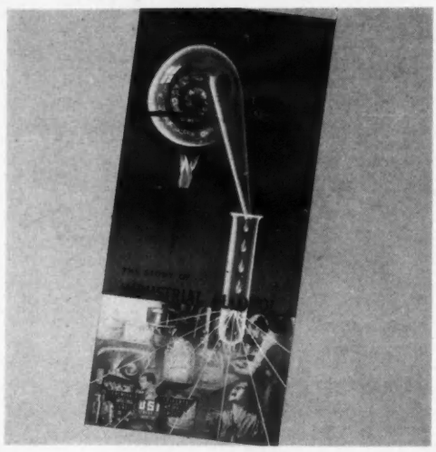
Non-greasy lotions that combine sun-screening and insect-repellent properties are being successfully formulated this season with the aid of INDALONE*, U.S.I.'s slow-evaporating, film-forming solvent. INDALONE is highly effective as an insect repellent, and offers special advantages when it is used in combination with U.S.I.'s light-screen, BK-5*, in the formulation of suntan products. Used in this way, INDALONE and BK-5 have the property of increasing each other's sun-screening effectiveness. INDALONE's film-forming properties suggest additional potentialities of the manufacture of preparations to protect the skin from windburn. An important feature of INDALONE that is currently of special interest is its ability to repel such insects as chiggers, frequently encountered in the vicinity of Southern camps.

INDALONE is virtually odorless and non-greasy in character, Its repellency is due to its bitter taste and its effect on nerve endings in the feet of insects.

U.S.I. will gladly furnish readers with additional information on uses of INDALONE.

** Registered Trade Mark*

INDUSTRIAL ALCOHOL USES DESCRIBED IN NEW BOOKLET



History, manufacture, and applications of alcohol are described in "The Story of Industrial Alcohol," a new booklet issued by U.S.I. Alcohol production processes are shown in flow sheet form. Applications are listed in considerable detail, and are also summarized in handy chart form for easy reference. The booklet also includes a summary of the Government regulations on the purchase and use of industrial alcohol.

Copies of this helpful and informative booklet may be obtained free of charge by writing U.S.I.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

Synthetic lauric acid is available in ample quantities, is suitable for use in soaps, shampoos, cosmetics, wetting agents, and many other applications, according to the manufacturer. **(No. 480a)**

An imitation bergamot is reported to be an excellent substitute for the natural product where Oil Bergamot N. F. is not required. Tests in laboratory and in products show high odor stability in toilet waters, soaps, and other products, it is said. **(No. 481a)**

Solvent recovery is possible with a new mixer that incorporates a condenser. Maker says that the equipment is suitable for the manufacture of many chemical, pharmaceutical, and cosmetic products. Mixing kettle is of stainless steel. **(No. 482a)**

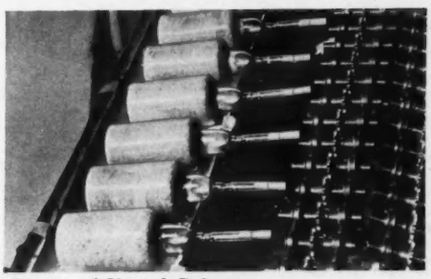
Easy-to-clean surfaces are said to result from the use of a new line of maintenance paints impregnated with wax particles. **(No. 483a)**

A non-staining packing recently developed is described as suitable for use in apparatus handling liquids that must be kept unstained and uncontaminated. Maker says that it is snow-white, and contains an odorless, tasteless, edible, and chemically resistant lubricant. **(No. 484a)**

A synthetic wax can be used successfully as a substitute for carnauba wax in certain types of polishes, it is indicated by recent tests. The product is said to be practically odorless, pearly white in color, and extremely hard. **(No. 485a)**

Cetyl alcohol flakes are said to have definite advantages over cetyl alcohol technical. The new product is described as nearly odorless and uniform in color and appearance. It is reported to result in a heavier consistency in creams, and to exert a stabilizing action in cosmetic emulsions. **(No. 486a)**

BLOOD PLASMA PREPARED BY RAPID FREEZING PROCESS



Courtesy of Sharp & Dohme

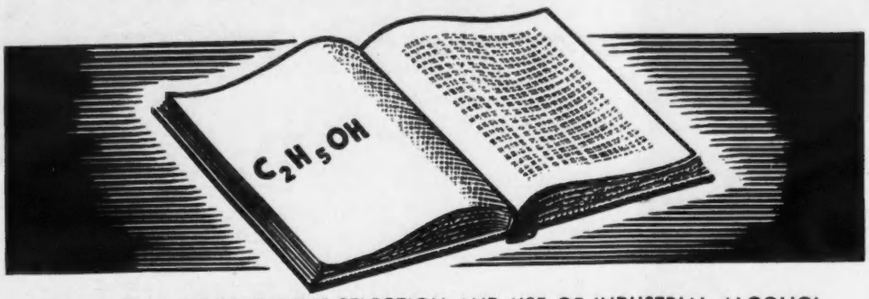
Problem of preserving labile biological substances appears to have been successfully solved after long research by the development of a unique method of rapid freezing and vacuum dehydration from the frozen state, often referred to as the lyophile process. Outstanding application of the process, which represents a revolutionary advance in the preservation of biological products, is in the preparation of blood plasma, but the method has also been applied to a variety of therapeutic agents from living sources. Since it is essential that the freezing be rapid, solid carbon dioxide is employed as the freezing agent.

Solid carbon dioxide ("DRY-ICE") is manufactured and supplied by Pure Carbonic, Incorporated, an associated company of U.S.I.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

August ★ # U.S.I. ALCOHOL NEWS ★ 1941

THE ALCOHOL PRIMER



NO. 4 OF A SERIES ON THE SELECTION AND USE OF INDUSTRIAL ALCOHOL

S.D. ALCOHOLS 39B, 39C, AND 39D

To the manufacturer of high-quality perfumes, toilet waters, and similar toilet preparations, S.D. Alcohol 39C offers features that are of special interest.

The authorized composition for this formula calls for the addition of 1 gallon of ethyl phthalate (diethyl phthalate) to 100 gallons of ethyl alcohol. The use of ethyl phthalate as the denaturant offers two distinct advantages to the perfume manufacturer. Ethyl phthalate is virtually odorless, and hence is especially suitable for use in perfumes of high quality, where the odor of the perfume materials should not be affected by other ingredients. Moreover, ethyl phthalate has good fixative properties, and perfumes containing it retain their odor longer after application.

Uses and Restrictions

S.D. 39C is authorized for use as a solvent in manufacturing:

Hair and scalp preparations
Face and hand lotions
Body deodorants and deodorant creams
Perfumes and perfume tinctures
Toilet waters

The use of the formula in these applications is subject to certain important restrictions, however. S.D. 39C may be used only in the manufacture of high-grade preparations containing not less than 2% by weight of essential oils, or their equivalent in perfume materials. Federal regulations permit the use of the formula only by manufacturers whose experience and facilities enable them to control their operations in accordance with the limitations imposed.

The perfume manufacturer can also avail himself of the fixative properties of ethyl phthalate through the use of Formula 39B, which is not subject to quite such rigid restrictions as 39C. The authorized composition of 39B consists of 100 gallons of ethyl alcohol; 2½ gallons of ethyl phthalate; and ⅛ gallon of denaturing grade tertiary butyl alcohol.

Uses of 39B

This formula may be used in all the applications already listed for 39C, and in addition may be employed as a solvent in manufacturing the following preparations:

Bay rum
Shampoos
Toilet soaps and bath salts
External pharmaceuticals not U.S.P. or N.F.
Disinfectants, insecticides, etc.
Sterilizing and preserving solutions
Theater sprays and incense

In addition to these applications in the drug and cosmetic fields, the chemical industry uses 39B as a raw material in manufacturing ethyl esters.

Composition of 39D

S.D. Alcohol 39D is prepared by adding to 100 gallons of ethyl alcohol either: (1) 50 ounces of quinine sulphate U.S.P. or of quinine bisulphate U.S.P.; or (2) 200 ounces avoirdupois sodium salicylate U.S.P., and 1 gallon of oil of bay N.F. This formula is authorized for use as a solvent in manufacturing:

Hair and scalp preparations
Bay rum
Face and hand lotions
External pharmaceuticals not U.S.P. or N.F.

HERE AND THERE

Now that the search for substitute perfume materials has reached a point at which manufacturers are being urged to consider the possibility of sub-substitutes, news that the American essential oil industry is beginning to attain commercial status seems especially timely. One leading cosmetic firm is placing on the market a gardenia perfume utilizing essential oils produced in California. This is believed to be the first commercial use of American oils on a large scale, and opens up the question whether more extensive utilization of domestic floral oils may not be possible. Experiments along these lines have been conducted for a number of years, but, in the past, the high cost of domestic oils has made it difficult to compete with the imported materials.

Latin American Oils

Other studies, directed toward long-term results, indicate that certain essential oils might be produced in Latin American countries under conditions that would permit competition with European and Far Eastern materials. Commercial production of citronella, lemon-grass, and ylang ylang in the Western Hemisphere is predicted for the near future, and production of eucalyptus, clove, vetivert, and cinnamon is being investigated.

Both in the California project and in the Latin American experiments, emphasis is being placed on extraction by means of liquid fats and volatile solvents, such as alcohol, instead of on solid fats as in the enfleurage process. And another item of news in the oil situation is that a plant has been opened in the almond-growing center of the United States for the production of oil of sweet almond and oil of bitter almond.

Container Novelties

While some shortages are being experienced in container materials, the glass industry foresees no immediate problems. Among the glass containers, the miniature one- and two-dram sizes appear to have attained considerable popularity, and the manufacturer is bringing out the same designs and finishes in ¼-ounce and ½-ounce sizes. A novel item in these miniature sizes is a glass bottle metallized in a silver or gold finish and lacquered with an alcohol-proof coating.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., N.Y. BRANCHES IN ALL PRINCIPAL CITIES
A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

*ANSOLS
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Orange mineral, Amer., bbls., 5 bbls., dlvd., other points, lb. .11¼- —
smaller lots, dlvd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¼- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Orange, molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07¼- .08
Orris root, Florentine, bgs....lb. 2.00 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.25 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniline, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobensene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06¼
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroaniline, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .21 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2..lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 -
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.50 - 3.75
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, fancy, bgs.....lb. .35½- .36
good, bgs.....lb. .33½- .34
Spanish, extra fancy, cs....lb. .42 - .42½
medium, cs.....lb. .39½- .40
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05½ Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570 Nom
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. higher than bags price; solid in tanks is 5c. lower. Prices are for contract delivery.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 999 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .13 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniln. kgs., works....lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd, lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.3, gal. .11 - —
l.c.l., G.3.....gal. .19 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3, gal. .16 - —
l.c.l., G.3.....gal. .27 - —
10 gals., G.3.....gal. .55 - —
Pepper, black, Alleppy, bags..lb. .08¾- .09¼
Lampong, bgs.....lb. .0635- .0665
Tellicherry, bags.....lb. .08½- .09
white, Java, Muntok, bags..lb. .11 - .11½
Muntok, small berry, bags.lb. .10½- .11
red, chillies, Japan, Montaka..lb. .28 - .29
Mombassa, bgs.....lb. .24 - .24½
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .70 - .75
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .03 - —
l.c.l., same basis.....lb. .03½- —
Zone 2, dms., c.l., works, frt. alld..bl. .03½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

Perchlorethylene, dms., c.l., Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:- Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. 1.35 - 1.40
Petrolatum, amber, dms.....lb. .03½- —
l.c.l. .....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l. .....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l. .....lb. .07¼- —
snow, dms., c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:-
California .....bbl. .43 - 1.71
Canada .....bbl. 1.08 - 1.70

Petroleum, crude, bulk, at wells, Central West:-
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.06 - 1.10
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.43
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.28
Pennsylvania, Ohio, West Virginia:-
Bradford, Allegany....bbl. 2.98 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.98 - —
Eureka lines.....bbl. 2.39 - —
S. W. Penn lines.....bbl. 2.65 - —
Lower district in National Transit lines..bbl. 2.86 - 2.91
Rocky Mountains.....bbl. .94 - 1.30
South Central and Southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Ether, laboratory grade, 30-60°C, c.l..gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .35 - —
35-60°C., l.c.l .....gal. .27 - —
10 gals.....gal. .55 - —

Orange Min.—Pet. Mineral Spt.

Petroleum ether, laboratory grade, 40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.
Lacquer, diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wolles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07¾- .08¼
Bensol type, tanks..gal. .07¾- .08¾
mineral spirits at refinery, California (f.o.b. San Francisco), 166-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10¾- —
246-397 b.r., tanks...gal. .10¾- —
312-406 b.r., tanks...gal. .09 - —
362-455 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Gulf Coast, tanks.....gal. .06¼- —

Health

OUR BEST DEFENSE

The trade draws heavily on Dow for its requirements in pharmaceutical chemicals. In peace time or in times of crisis, Dow is relied upon for essential ammunition against disease. There are approximately 40 of these Dow products, many of which are produced by new and original processes.

DOW PHARMACEUTICAL PRODUCTS INCLUDE:

Acetanilid, U. S. P.
Acetphenetidin, U. S. P.
Acetyl Salicylic Acid, U.S.P.
Acetyl Salicylic Acid, Granulation with Starch
Ammonium Bromide, U.S.P.
Ammonium Salicylate, U.S.P.
Antipyrene, U.S.P.
Benzoic Acid, U.S.P.
Bromoform, U.S.P., IX
Calcium Bromide, U.S.P.
Camphor, Monobromated, N.F.
Carbon Tetrachloride, C.P.
Chloroform, U.S.P.
Epsom Salt, U.S.P., Recrystallized
Ethyl Chloride, U.S.P.
Ferric Chloride, Crystals, U.S.P., X
Ferric Chloride Solution, U.S.P.
Glycine, Medicinal
Hydrobromic Acid, U.S.P. IX Quality
Iodine
Lithium Bromide, N.F.
Magnesium Salicylate
Magnesium Sulphate, Desiccated
Methyl Salicylate, U.S.P.
Phenol, U.S.P.
Potassium Bromide, U.S.P.
Potassium Iodide, U.S.P.
Salicylic Acid, U.S.P.
Salol, U.S.P.
Sodium Acetate, U.S.P.
Sodium Benzoate, U.S.P.
Sodium Bromide, U.S.P.
Sodium Salicylate, U.S.P.
Strontium Bromide, N.F.
Strontium Salicylate, N.F.
Tetrachlorethylene, Purified
2,4,6-Tribromphenol
Trichloracetic Acid, U.S.P.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN
New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle, Houston

Working with you for America

DOW

Pet. Mineral Spt.—Rosin

Petroleum, mineral spirits, tank-wagon:—
Albany ..... gal. .12½- —
Baltimore (100 gals.) .. gal. .14 - —
25-99 gals ..... gal. .16 - —
Boston ..... gal. .1380- —
Bound Brook, North Amboy, N. J. .. gal. .13½- —
Bridgeport, Conn. ..... gal. .11½- —
Buffalo ..... gal. .15½- —
Camden, N. J. ..... gal. .10 - .11½
Chicago ..... gal. .1670- —
Decatur ..... gal. .1810- —
Des Moines ..... gal. .1790- —
Evansville, Ind. ..... gal. .1420- .1630
Milwaukee ..... gal. .1980- —
Minneapolis-St. Paul .. gal. .19½- —
Newark ..... gal. .09½- —
New York (200 gal.) .. gal. .10 - —
Omaha ..... gal. .12½- —
Pittsburgh ..... gal. .11½- .13½
Providence ..... gal. .12 - —
Rochester ..... gal. .12½- —
St. Louis ..... gal. .1470- —
Syracuse ..... gal. .10½- —
Trenton ..... gal. .10½- —
Wilmington, Del. ..... gal. .12½- —

Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks .. gal. .12 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks .. gal. .06¾- —
tankwagon, Boston, ex tax, gal. .1380- —
Bridgeport ..... gal. .13½- —
Chicago, inc. 4c. tax .. gal. .18 - —
Decatur, inc. 4c. tax .. gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax. gal. .13 - .16
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20½- —
Newark, ex tax ..... gal. .10½- —
New York, ex tax .... gal. .11 - —
Omaha, ex tax ..... gal. .1490- .1590
Oklahoma City, ex tax. gal. .10½- —
Philadelphia, ex tax .. gal. .12 - —
St. Louis, inc. 1c. tax. gal. .15½- —
Syracuse, 150 gals .... gal. .14½- —
smaller lots, galv. drums, gal. .10 - —

high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway .. gal. .21½- —
No. 2, over 90% arom., same basis .. gal. .21½- —
3, same basis ..... gal. .22½- —
8, tanks, f.o.b. Paulsboro, N. J .. gal. .19¾- —
30, same basis ..... gal. .20¾- —
40, same basis ..... gal. .21 - —

V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo .. gal. .11 - —
Richmond ..... gal. .11½- —
Willibridge, Ore., Pt. Wells, Wash .. gal. .12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles .. gal. .10 - —
San Francisco .... gal. .10½- —
Portland, Seattle .. gal. .11 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks ..... gal. .10½- —
Group 3, tanks ..... gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks .. gal. .06½- —
tankwagon, Boston, ex tax, gal. .1480- —
Chicago, inc. 4c. tax .. gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax .. gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1620
Milwaukee, inc. 5c. tax. gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .20 - —
Newark, ex tax ..... gal. .11½- —
New York, ex tax ..... gal. .10 - —
Omaha, ex tax ..... gal. .1490-.1500
Philadelphia, ex tax .. gal. .18 - —
St. Louis, inc. 1c. tax .. gal. .1570- —

Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks ..... gal. .10¼- —
Group 3, tanks ..... gal. .07½- —

Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks .. gal. .11 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks ..... gal. .09½- —
Group 3, tanks ..... gal. .06¾- —
Tankwagon, Boston, ex tax, gal. .1430- —
Chicago, inc. 4c. tax .. gal. .1640- —
Decatur, inc. 4c. tax .. gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax. gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax .. gal. .1820- —
Newark, ex tax ..... gal. .09½- —
New Orleans, ex tax .. gal. .11 - —
New York, ex tax ..... gal. .10 - —
Omaha ..... gal. .1360-.1460
Philadelphia, ex tax .. gal. .13 - —
St. Louis, inc. 1c. tax .. gal. .1340- —
Tulsa, ex tax ..... gal. .10½- .11¼

Phenobarbital, 5-lb. bots ..... lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract .. lb. 4.00 - —
25-lb. cns ..... lb. 4.25 - —

Phenol, USP, dms., c.l., works, frt. equald .. lb. .12½- —
l.c.l., same basis ..... lb. .13¼- —
under 1,000 lbs ..... lb. .14¼- —
tanks, works ..... lb. .11¼- —

Phenolphthalein, USP, bbls., dms., 2,000-lb. lots .. lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89

Phenolphthalein, yellow, fib. dms., 2,000-lb. lots .. lb. .80 - —
100-lb. fib. dms ..... lb. .82 - —
25-lb. dms ..... lb. .87 - —
50-lb. kgs ..... lb. .84 - —
Phenyl chloride, dms ..... lb. .17 - —
Phenylacetaldehyde, bots ..... lb. 4.00 - 4.10
dimethylacetate, cns ..... lb. 14.50 -15.00
Phenyl ethyl acetate, cns ..... lb. 2.50 - 2.75
Phenylethyiphenyl acetate, bots. lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works ..... lb. 1.75 - —

Phlorogiucinol, CP, tins, wks .. lb. 20.00 -22.00
tech., tins, works ..... lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 70% min .. long ton. No price
land-pebble, 68% min. long ton. 2.00 - —
70% min ..... long ton. 2.30 - 2.40
72% min ..... long ton. 2.75 - 3.00
Tenn., 72% min ..... long ton. 4.50 - —
75% min ..... long ton. 5.50 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs ..... lb. .40 - .44
yellow, dms ..... lb. .18 - .20
cases ..... lb. .23 - .28
Oxychloride, cyls ..... lb. .15 - .18
Pentoxide, dms., c.l., works .. lb. .11 - .12
l.c.l., dms., works ..... lb. .13 - .14
Sesquisulphide, cs ..... lb. .38 - .42
Trichloride, cyls ..... lb. .15 - .16
Phthalamide, bbls., works, ton .. lb. .35 - —
single, bbls., works .... lb. .40 - —
kgs., works ..... lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. all. E. of Miss. R .. lb. .14½- —
l.c.l., same basis ..... lb. .15½- —
Pichi leaves, bgs ..... lb. .08 - .09
Pilocarpine hydrochloride, bots., vls .. oz. 3.25 - 3.75
Nitrate, bots., vls ..... oz. 3.25 - 3.75
Pimento, Jamaica, bgs ..... lb. .20 - .20½
Mexican (see Allspice, Mexican).
Pinkroot, bls ..... lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works .. ton. 19.00 - —
l.c.l. ..... ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron .. ton. 23.75 -24.00
Linseed, dms ..... lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls ..... bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls .. lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss .. lb. 3.25 - —
Poke root, bls ..... lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works .. lb. .23 - —
Pomegranate bark, bgs ..... lb. .49 - .50
Root bark, bgs ..... lb. .60 - .65
Poppy flowers, red, bls ..... lb. .70 - .75
Seed, Dutch, bgs ..... lb. .42 - .44
Roumanian, bgs ..... lb. .37 - .38
Turkish, bags ..... lb. .33 - .33½
Potash abietate ..... lb. .08 - —
Acetate, USP, bbls., 250 lbs .. lb. .28 - —
cns., 25 lbs ..... lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs .. lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs .... lb. .15 - —
gran., bbls., 250 lbs ..... lb. .15 - —
Bichromate, spots, c.l., works, lb. .09¾- —
6 casks or 10 bbls., or over, works .. lb. .09¾- —
5 casks or 9 bbls., or less, works .. lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs .. lb. .31 - —
kgs., 100 lbs ..... lb. .32 - —
Carbonate, calc., dms., c.l., works .. lb. .06½- —
l.c.l., same basis ..... lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works .. lb. .05½- —
l.c.l., same basis ..... lb. .05¾- —
liquid, dms., c.l., works, frt. alld .. lb. .03 - —
l.c.l., dms., same basis .. lb. .03¼- —
tanks, same basis ..... lb. .02¾- —
USP, gran., bbls., 325 lbs .. lb. .14 - .16
powd., bbls., 325 lbs ..... lb. .19 - —
kgs., 100 lbs ..... lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works .. lb. .07 - —
import, dms ..... lb. No prices
liquid, 45% basis, dms ..... lb. .03½- .03¾
tanks ..... lb. .02¾- —
solid, 88-92%, dom., drums, c.l., works .. lb. .06¼- —
l.c.l. ..... lb. .06½- .06¾
import, dms ..... lb. No prices
Chlorate, cryst., kgs ..... lb. .11 Nom.
pwd., kgs ..... lb. .09¾- .10
Chloride, tech., 96%, cryst., bgs., kgs .. lb. .08 Nom.
Chromate, kgs ..... lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs .. lb. .33½- —
100-lb. dms ..... lb. .34½- —
50-lb. dms ..... lb. .35½- —
25-lb. dms ..... lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works .. lb. .55 - —
Cyanide, gold, 41% gold, bots., works .. oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots .. lb. 1.50 - —
100-lb. lots ..... lb. 1.60 - —
50-lb. lots, cbys. or cns .. lb. 1.65 - —
25-lb. lots, cns ..... lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots .. lb. 1.75 - —
25 lbs. to 50 lbs ..... lb. 1.80 - 1.85
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs .. lb. .32 - .34
Hypophosphite, cns., 100 lbs .. lb. .72 - —
25 to 50 lbs ..... lb. .75 - —
Iodate, bots., 3 lbs ..... lb. 3.46 - —
cns., 25 lbs ..... lb. 3.35 - —
Iodide, bots. or cns ..... lb. 1.44 - 1.48
dms ..... lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports .. ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M. unit-ton. .20 - .21
import, 30%, K_2O, bulk, ex vessel, Atlantic or Gulf ports .. ton. No prices
Metabisulphite, kgs ..... lb. .21 Nom.
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% K_2O, same basis, unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports .. unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs .... lb. .40 - .42
tech., bbls., dms ..... lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., wks ..... lb. .09½- .11
Permanganate, tech., dms., wks, lb. .19¾- .20¼
USP, dms., wks ..... lb. .20½- .21
Prussiate, red, bbls ..... lb. No prices
Yellow, spot, bbls ..... lb. .17 - .19
Ricinoleate, tech., bbls ..... lb. .13 - —
Silicate alkaline, lumps, bgs, lb. .07 - —
Potash, sulphate, NF, powd., 350 lbs., bbls .. lb. .15 Nom.
100-lb. kgs ..... lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90%, K_2SO_4, ex vessel, ports .. ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports .. ton. No prices
Xanthate, dms., c.l ..... lb. .13 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex vessel, ports .. ton. 26.00 - —
Potash-soda ferricyanide, dms., works .. lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls .. lb. .45 - —
100-lb. dms ..... lb. .50 - —
Prickly ash bark, bls ..... lb. .12 - .13
Berries, bgs ..... lb. .25 - .26
Prince's pine herb, bls ..... lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans ..... lb. 8.25 - 8.50
1-lb. bots ..... lb. 8.75 - —
Propane, tanks, Group 3 ..... gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls ..... lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up .. lb. .03¼- —
1-4 tons ..... lb. .03¾- —
500-2000 lbs ..... lb. .03¾- —
under 500 lbs ..... lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up .. lb. .03½- —
1-4 tons ..... lb. .03¾- —
500-2000 lbs ..... lb. .03¾- —
under 500 lbs ..... lb. .04½- —
Imp., Italian ..... lb. No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs ..... lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms ..... 100 lbs. 3.15 - —
linseed oil, raw, dms .... 100 lbs. 5.00 - —
refined, dms ..... 100 lbs. 5.50 - —
standard, dms ..... 100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd. gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd. gal. 6.60 - —
Pyrethrum flowers, coarse, grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls .. lb. .20 - .21
fine powd., 9% pyrethrins, frt. alld., bbls .. lb. .21 - .22
Pyridin, denaturing, dms ..... gal. 1.71 - —
refd., 2°, dms ..... lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports, unit-ton. No prices
Pyrocatechin, CP, cryst., works, 5lb. dms., tins .. lb. 2.15 - 2.40
resublimed, 5lb. dms., tins .. lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines .. ton. 9.00 - —
325 mesh, same basis ..... ton. 12.00 - —
No. 3, 200 mesh, c.l., mines .. ton. 7.50 - —
325 mesh, same basis ..... ton. 12.00 - —
Pyroxylin scrap amber, cs., works .. lb. .12 - —
black, cs., works ..... lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works .... lb. .10 - —
gray, cs., works ..... lb. .08 - —
mixed, mottles, opaques, cs., works .. lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works ..... lb. .20 - —
colors, cs., works ..... lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works .. lb. .10 - —
white, cs., works ..... lb. .15 - —

Q

Quassia chips, bls ..... lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works .. lb. .05½- —
tanks, works ..... lb. .05 - —
solid, 62%, bgs., c.l., ex dock, plus duty .. lb. .04¾- —
clarified, 64%, bgs., c.l., same basis .. lb. .05 - —
pwd., bgs., c.l ..... lb. .10 - —
l.c.l., bgs ..... lb. .10½- —
Queen of the meadow leaves, bgs .. lb. .07½- .08
Root, bgs ..... lb. .10 - .11
Quercitron, crystals, bgs ..... lb. .24 - —
extract, bgs, No. 1 ..... lb. .09 - —
No. 2 ..... lb. .08½- —
No. 3 ..... lb. .08 - —
solid, bxs ..... lb. .17 - —
Quicksilver, dom., flasks (76 lbs net), dlvd., N. Y .. flask. 192.00 -195.00
Quince seed, bgs ..... lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns .. oz. 1.06 - —
powd., precip., cns ..... oz. 1.01 - —
Sulphate, cns ..... oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns ..... oz. .84 - —
Acetate, cans ..... oz. 1.05 - —
Arsenate, cns ..... oz. 1.05 - —
Arsenite, cns ..... oz. 1.07 - —
Bisulphate, cns ..... oz. .66 - —
Citrate, cns ..... oz. .78 - —
Dihydrobromine, bots ..... oz. .82 - —
Dihydrochloride, bots ..... oz. .82 - —
Ethylcarbonate, cns ..... oz. .85 - —
Ferrocyanide, cns ..... oz. 1.07 - —
Formate, cns ..... oz. 1.00 - —
Hydrochlorosulphate, cns .... oz. .81 - —
Glycerophosphate, cns ..... oz. 1.20 - —
Hydrochloride, cns ..... oz. .76 - —
Hydroiodide, cns ..... oz. 1.05 - —
Hypophosphite, cns ..... oz. 1.07 - —
Phosphate, cns ..... oz. .90 - —
Salicylate, cns ..... oz. .79 - —
Sulphate, USP, XI, cns ..... oz. .67 - —
Sulphocarbolate, cns ..... oz. 1.05 - —
Tannate, cns ..... oz. .62 - —
Valerate, cns ..... oz. .99 - —
Tartrate, cns ..... oz. 1.02 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expense over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns. oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls ..... lb. .55 - —
paste, dms ..... lb. .52 - —
Rapeseed, Argentine, bgs ..... lb. .07¾- .08¼
Dutch, bgs ..... lb. No stocks
Indian, medium, recleaned, bgs, lb. .07½- .08
Japanese bgs ..... lb. No stocks
Raspberries, dried, bls ..... lb. .55 - .60

Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis .. lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld .. lb. .90 - —
smaller lots ..... lb. .95 - —
kgs., ton lots ..... lb. .95 - —
smaller lots ..... lb. 1.00 - —
light shade, bbls., ton lots, lb. .75 - —
smaller lots ..... lb. .80 - —
kgs., ton lots ..... lb. .80 - —
smaller lots ..... lb. .85 - —
light-medium shade, bbls., ton lots .. lb. .80 - —
smaller lots ..... lb. .85 - —
kgs, ton lots ..... lb. .85 - —
smaller lots ..... lb. .90 - —
maroon shades, bbls., ton lots, lb. 1.00 - —
smaller lots ..... lb. 1.05 - —
kgs., ton lots ..... lb. 1.05 - —
smaller lots ..... lb. 1.10 - —
medium shade, bbls., ton lots, lb. .85 - —
smaller lots ..... lb. .90 - —
kgs., ton lots ..... lb. .90 - —
smaller lots ..... lb. .95 - —
Cadmium, lithopone quotations are prices at the works, with frt. alld.
Selenide, bbls., light, works .. lb. 2.85 - —
maroon, works ..... lb. 2.90 - —
Carmine, 40, dms., 100 lbs .. lb. 4.60 - —
50 lbs ..... lb. 4.75 - —
cns., 5 lbs ..... lb. 5.25 - —
1 lb ..... lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls ..... lb. 1.25 - —
Fire toner, bbls ..... lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y .. lb. .09½- —
80-85%, bbls., same basis .. lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis .. lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts .. lb. .90 - —
open order ..... lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts .. lb. .55 - —
open order ..... lb. .60 - —
Rose lake, bbls ..... lb. .20 - .23
Pink, bbls ..... lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts .. lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts .. lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs .. lb. 3.09 - —
smaller lots ..... lb. 3.11 - —
Metallic, bbls., Pa., works .. lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
Oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St., Louis, Copley, Ohio .... lb. .08¾- —
80% copperas oxide, bbls., same basis .. lb. .06¼- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts .. lb. .70 - —
open order ..... lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l .. lb. No prices
Phloxin toner (see Red, Eosin-toner)
Phosphotungstic rhodamine, Y, kgs .. lb. 4.15 - —
Purple lake, kgs ..... lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis .. lb. .03¼- —
Toner, kgs ..... lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake .. lb. .55 - —
Lake, kgs., same basis alizarin lake .. lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y .. lb. .04¾- —
l.c.l. ..... lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N.Y .. lb. .04¼- —
l.c.l. ..... lb. .04¾- —
Toluidin toner, kgs., same basis alizarin lake .. lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis .. lb. .11 - .40
Venetian, bbls., works ..... lb. .0220- —
10%, bbls., works ..... lb. .0245- —
15%, bbls., works ..... lb. .0265- —
20%, bbls., works ..... lb. .02¾- —
25%, bbls., works ..... lb. .03 - —
30%, bbls., works ..... lb. .03¼- —
35%, bbls., works ..... lb. .0360- —
40%, bbls., works ..... lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake .. lb. Nom.
quicksilver, bbls ..... lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more, lb. 3.26 - —
Red saunders wood, ground, bbls, lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss .. lb. .68 - —
smaller quantities, works .. lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss .. lb. 1.80 - —
Rhatany root, bgs ..... lb. .10 - .11
Rhubarb, cs ..... lb. .38 - .40
powd., bbls., kgs ..... lb. .43 - .45
Riboflavin ..... gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't .. lb. .39½- —
smaller lots ..... lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't .. lb. .38½- —
smaller lots ..... lb. .39 - —
Rose flowers, pale, bls ..... lb. .42 - .43
red, bls ..... lb. 5.00 Nom.
Rosemary, flowers, bls ..... lb. .45 - .50
leaves, bls ..... lb. .20 - .21
Rosin, gum, B, bbls., ex dock .. 100 lbs. 3.01 - —
D, bbls ..... 100 lbs. 3.01 - —
E, bbls ..... 100 lbs. 3.01 - —
F, bbls ..... 100 lbs. 3.01 - —
G, bbls ..... 100 lbs. 3.01 - —
H, bbls ..... 100 lbs. 3.00 - —
I, bbls ..... 100 lbs. 2.98 - —
K, bbls ..... 100 lbs. 3.00 - —
M, bbls ..... 100 lbs. 3.09 - —
N, bbls ..... 100 lbs. 3.11 - —
W. G., bbls ..... 100 lbs. 3.26 - —
W. W., bbls ..... 100 lbs. 3.45 - —
X, bbls ..... 100 lbs. 3.45 - —

Rottenstone, dom., bgs., c.l., f.o.b. mines	ton.	25.50 - —
l.c.l., f.o.b. mines	ton.	37.50 - —
Rue, bls.	lb.	.30 - .35

S

Sabadilla seed, powd., bbls.	lb.	.22 - .28
Saccharin, dms., 100 lbs.	lb.	1.45 - —
cns., 25 lbs.	lb.	1.48 - 1.50
Safflower, bls.	lb.	.35 - .40
Saffron, Mexican, bls.	lb.	.40 - .45
Spanish, tins	lb.	38.00 -39.00
Safrol, cns.	lb.	1.15 - 1.25
dms.	lb.	No prices
Sage, Dalmation, garden, bls.	lb.	1.50 - 1.60
stemless, bls.	lb.	No stocks
ground, bls.	lb.	1.75 Nom.
Greek, bls.	lb.	1.00 - 1.10
Spanish, bls.	lb.	No stocks
Sago flour, bgs.	lb.	.05 - .05½
Salicin, bots., 5 lbs.	lb.	7.00 - —
cns., 25 lbs.	lb.	6.75 - —
Salol, gran., bbls., 200 lbs.	lb.	.90 - —
bxs., 25 lbs.	lb.	.93 - —
kgs., 100 lbs.	lb.	.90 - —
powd., fib. dms., 25 lbs.	lb.	1.03 - —
kgs., 100 lbs.	lb.	1.00 - —
Salt, rock, bgs., dlvd. N. Y.	ton.	14.20 - —
l.c.l., bgs., dlvd. N. Y.	ton.	16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y.	ton.	15.70 -
l.c.l., dlvd. N. Y.	ton.	18.20 -21.30
Saltcake, dom., bulk, works.	ton.	13.00 Nom.
import, bulk, c.i.f.	ton.	16.00 Nom.
Chrome (see Chrome cake).		
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls.	100 lbs.	9.10 -10.10
1-9 tons	100 lbs.	9.25 -10.25
less than ton lots.	100 lbs.	9.50 -10.50
gran., bbls., 10-20 tons	100 lbs.	8.10 - —
1-9 tons	100 lbs.	8.25 - —
less than ton lots.	100 lbs.	8.50 - —
powd., bbls., 10-20 tons	100 lbs.	9.10 - —
1-9 tons	100 lbs.	9.25 - —
less than ton lots.	100 lbs.	9.50 - —
Santonin, cryst., cns.	kilo.	170.00 -182.00
Saponin, crude, cns.	lb.	2.25 - 2.50
Purified, cns., 25 lbs.	lb.	3.00 - 3.25
Sarsaparilla root, Honduras, bls.,	lb.	.32 - .33
Mexican, bls.	lb.	.20 - .22
Sassafras, bark, ord., bls.	lb.	.13 - .14
select, bls.	lb.	.20 - .21
Savory, bls.	lb.	1.50 - 1.60
Saw palmetto berries, bgs.	lb.	.08 - .09
Scammony root, bgs.	lb.	.07 - .08
resin, lump, cns.	lb.	.85 - —
powd., bxs.	lb.	.90 - —
Schaeffer's salt, bgs.	lb.	.46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.	lb.	.30¾- —
smaller lots.	lb.	.31¼- —
kegs, 5,000 lbs., 1 shipm't.	lb.	.31¼- —
smaller lots.	lb.	.31¾- —
Selenium, pwd. A, 10-lb. tins.	lb.	2.00 - —
100-lb. cases	lb.	1.75 - —
Senega root, spot, bls.	lb.	.95 - 1.00
Senna leaves, Alexandria, half leaf, bls.	lb.	.18 - .20
siftings, bgs.	lb.	.17 - .19
Senna, Tinnevelly, No. 1, bls.,	lb.	.13 - .14
2 bls.	lb.	.11 - .13
3 bls.	lb.	.09 - .10
powd., bbls., bxs.	lb.	.13 - .14
Pods., bls.	lb.	.10 - .11
Serpentaria root, bls.	lb.	.60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N. Y.	lb.	.35 - .36
dlvd., Boston	lb.	.36 - .37
Chicago	lb.	.36½- .37½
Pacific Coast	lb.	.38½- .39½
rfd., bbls., f.o.b. N. Y.	lb.	.41 - .42
dlvd., Boston	lb.	.41½- .42½
Chicago	lb.	.42¾- —
Pacific Coast	lb.	.45 - .46
Garnet, bgs.	lb.	.30 - .31
D.C., V.S.O., or Diamond I. cs., cs.	lb.	.38 - .39
Superfine, bgs., f.o.b. Boston, N. Y.	lb.	.29 - .30
dlvd., Chicago	lb.	.29½- .30½
Pacific Coast	lb.	.32 - .33
T.N., bgs., f.o.b. Boston, N.Y.	lb.	.28½- .29
dlvd., Chicago	lb.	.29 - .30
Pacific Coast	lb.	.32 - .33
varnish, Metro area, orange, 5-lb. cut, bbls.	gal.	1.45 - 1.50
4½-lb. cut, bbls.	gal.	1.40 - 1.45
4-lb. cut, bbls.	gal.	1.35 - 1.40
white, 5-lb. cut, bbls.	gal.	1.55 - 1.60
white, 4½-lb. cut, bbls.	gal.	1.50 - 1.55
4-lb. cut, bbls.	gal.	1.45 - 1.50

Prices, dlvd., Boston or Chicago, 10c. per gal. higher.

Rottenstone—Soda Bicarb.

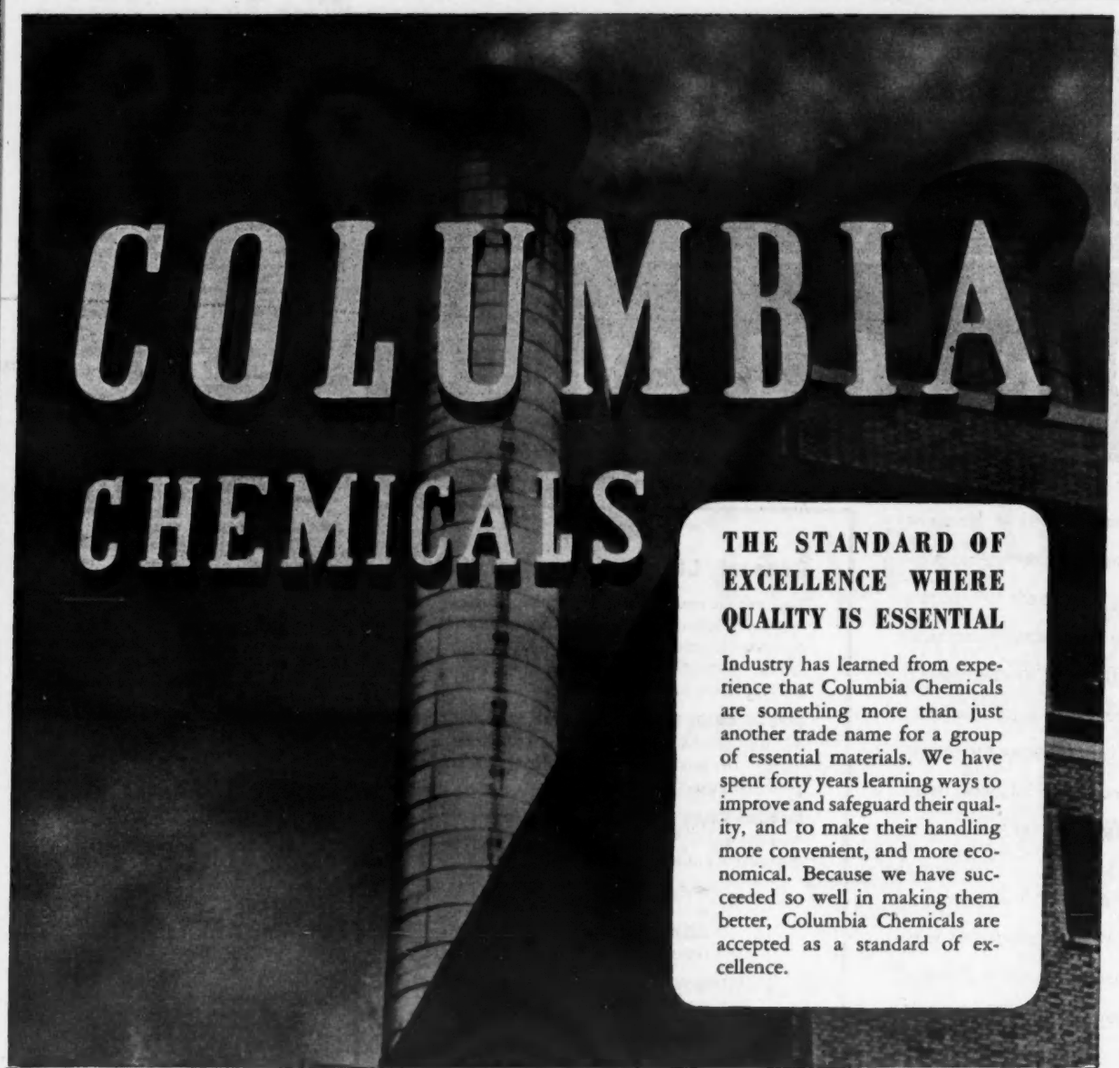
Silica, amorph., dry-grd., 99-97%, 325 mesh, bgs., c.l., works.	ton.	17.00 - —
l.c.l., 2½ tons, works.	ton.	19.00 - —
smaller lots, works.	ton.	20.00 - —
wet-grd., 99-97%, 325 mesh, bgs., c.l., works.	ton.	19.00 - —
l.c.l., 2½ tons, works.	ton.	21.00 - —
smaller lots, works.	ton.	25.00 - —
400 mesh, bgs., c.l., works.	ton.	30.00 - —
l.c.l., 2½ tons, works.	ton.	35.00 - —
smaller lots, works.	ton.	38.00 - —
wet-grd., 99-98% 325 mesh, bgs., c.l., works.	ton.	20.00 - —
l.c.l., 2½ tons, works.	ton.	21.50 - —
smaller lots, works.	ton.	23.00 - —
99% 325 mesh, bgs., c.l., works.	ton.	22.00 - —
med. grd., 99% 325 mesh, l.c.l., 2½ tons, works.	ton.	25.50 - —
smaller lots.	ton.	27.00 - —
hard-quartz, 99½% 325 mesh, bgs., c.l., works.	ton.	13.50 - —
l.c.l., works.	ton.	18.50 - —
140 mesh, bgs., c.l., works.	ton.	11.00 - —
l.c.l., works.	ton.	16.00 - —
Silver, bullion	oz.	.84¾- —
Govt. purchase, dom., metal,	oz.	.7111- —
Govt. purchase, foreign metal,	oz.	.85 - —
Cyanide, cns., 2,500 ozs.	oz.	.33 - —
1,000 ozs.	oz.	.33¼- —
500 ozs.	oz.	.33½- —
80 to 100 ozs.	oz.	.33¾- —
Nitrate, 100-oz. bots.	oz.	.24 - —
Nucleinate, bots., dms.	oz.	.29 - .34
Protelnate, bots., dms.	oz.	.28 - .34
Simarubra barks, bls.	lb.	.35 - .40
Skullcap, Eastern, bls.	lb.	.23 - .24
Western, bls.	lb.	.14 - .15
Skunk cabbage root, bls.	lb.	.11 - .12
Slate flour, bgs., c.l., works.	ton.	9.00 - —
l.c.l., works.	ton.	10.00 -15.00
Sloe berries, bgs.	lb.	.56 - .58
Smalt, black, extra velvet, ctns.,	lb.	.05 - .06
Blue, ctns.	lb.	.07 - .09½
Snakeroot, Canada, bls.	lb.	.24 - .26
Soapbark, bls.	lb.	.10 - .11
crushed, bls., bbls.	lb.	.13 - .12½
cut, German, bls., bbls.	lb.	No stocks
dom., bbls.	lb.	.17 - .18
powd., bbls.	lb.	.16 - .17
Soda, acetate, anhyd., dms., dlvd.,	lb.	.08½- .10
flake, gran., powd., 60% dms., c.l., dlvd.	lb.	.04½- .05
l.c.l., dlvd.	lb.	.05 - .06
USP, bbls., dlvd.	lb.	.06 - .07
90% dms., c.l., dlvd.	lb.	.06½- .07
l.c.l., dlvd.	lb.	.07¼- .07½
Alginate, dms., bbls., works.	lb.	.39 - .70
Aluminate, white soluble, c.l., bgs., frt. equald.	100 lbs.	7.50 - —
dms., frt. equald.	100 lbs.	7.75 - —
l.c.l., bgs., frt. equald.	100 lbs.	8.40 - —
dms., frt. equald.	100 lbs.	8.65 - —
Antimoniate, bbls., dlvd.	lb.	.15 - .15½
Arsenate, dms., dealers, c.l., works.	lb.	.08 - —
l.c.l., dms.	lb.	.09¼- .09¾
arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06¾- —
l.c.l., dms., works.	lb.	.07½- .08½
white, dms., c.l., dealers, works.	lb.	.07¾- —
l.c.l., dms., works.	lb.	.08½- .09½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.10 - —
l.c.l., Zone 1	100 lbs.	2.13 - —
2	100 lbs.	2.23 - —
3	100 lbs.	2.33 - —
4	100 lbs.	2.93 - —
bbls., c.l., works,	100 lbs.	1.35 - —
l.c.l., Zone 1	100 lbs.	2.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l., works.	100 lbs.	.95 - —
extra light, 58%, bgs., c.l.	100 lbs.	1.05 - 1.08
l.c.l., Zone 1	100 lbs.	2.08 - —
2	100 lbs.	2.23 - —
3	100 lbs.	2.48 - —
4	100 lbs.	2.88 - —
bbls., c.l., works.	100 lbs.	1.45 - —
l.c.l., Zone 1	100 lbs.	2.45 - —
2	100 lbs.	2.60 - —
3	100 lbs.	2.85 - —
4	100 lbs.	3.25 - —
bulk, c.l.	100 lbs.	.90 - —
light, 58%, bgs., c.l., works,	100 lbs.	1.05 - 1.08
l.c.l., Zone 1	100 lbs.	2.08 - —
2	100 lbs.	2.23 - —
3	100 lbs.	2.48 - —
4	100 lbs.	2.88 - —
bbls., c.l., works.	100 lbs.	1.35 - —
	100 lbs.	1.35 - —
l.c.l., Zone 1	100 lbs.	2.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l.	100 lbs.	.90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls); Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs. or more.	lb.	.39 - —
1,000 to 3,900 lbs.	lb.	.40 - —
900 lbs. or less.	lb.	.43 - —
USP, bbls., 2b., 4,000 lbs. or more.	lb.	.46 - —
1,000 to 3,900 lbs.	lb.	.47 - —
900 lbs. or less.	lb.	.50 - —
Bicarbonate, tech., bbls., c.l., works.	100 lbs.	1.70 - —
l.c.l.	100 lbs.	2.03 - —
bgs., c.l.	100 lbs.	1.55 - —
l.c.l.	100 lbs.	1.90 - —



THE STANDARD OF EXCELLENCE WHERE QUALITY IS ESSENTIAL

Industry has learned from experience that Columbia Chemicals are something more than just another trade name for a group of essential materials. We have spent forty years learning ways to improve and safeguard their quality, and to make their handling more convenient, and more economical. Because we have succeeded so well in making them better, Columbia Chemicals are accepted as a standard of excellence.

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SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • LIQUID CHLORINE
SILENE • CALCIUM CHLORIDE • SODA BRIQUETTES • MODIFIED SODAS
CAUSTIC ASH • PHOSFLAKE • CALCENE • CALCIUM HYPOCHLORITE

PITTSBURGH PLATE GLASS COMPANY
Columbia Chemical Division
30 ROCKEFELLER PLAZA
NEW YORK, N.Y.

Chicago • Boston • St. Louis • Pittsburgh • Cincinnati • Cleveland • Minneapolis • Philadelphia • Charlotte

Soda Bicarb.—Soda Sesquicarb.

Soda, bicarbonate, USP, gran., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l. .....lb. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks..lb. .07⅝- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07⅝- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No price

Soda, carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —

Soda, chlorate, dom., cryst., l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08⅝- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Soda, citrate, USP VIII, 225-lb. bbls..lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .23 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08⅝- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.

Soda, glycerophosphate, NF, cryst., bbls., 1,000-lb. lots.lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots..lb. 1.30 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd...100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
Pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.40 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mar-delate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.90 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.55 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works. lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.29.40 - —
200-lb. bgs., same basis, ton.28.70 - —
bulk, same basis.....ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment....ton.32.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 2.80 - —
1-9 tons.....100 lbs. 3.05 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l. .....lb. .06¾- .11¼
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd....lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1-2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19¼- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - 6.25
l.c.l., works.....100 lbs. 6.35 - 7.25
bbls., c.l., works...100 lbs. 5.60 - 6.45
l.c.l., works.....100 lbs. 6.55 - 7.45
cryst., tech., bgs., c.l., wks., 100 lbs. 2.20 - 2.70
l.c.l., works.....100 lbs. 2.60 - 3.45
bbls., c.l., works...100 lbs. 2.40 - 2.90
l.c.l., works.....100 lbs. 2.80 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.35 - 2.85
l.c.l., works.....100 lbs. 2.75 - 3.60
bbls., c.l., works...100 lbs. 2.55 - 3.05
l.c.l., works.....100 lbs. 2.95 - 3.80
kegs, c.l., works...100 lbs. 3.05 - 3.55
l.c.l., works.....100 lbs. 3.45 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11¼- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.80
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.95 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

PURITY
ON YOUR ACID SHELF

When you reach for a General Chemical Reagent Acid or Ammonia bottle, you can be sure that its contents measure up to the high standards of purity and uniformity that you require. General Chemical Reagent Acids and Ammonia, familiar to chemists in all industries, are backed by years of acid manufacturing experience. They are products of constant research, skill and painstaking care which has won them *preference* in laboratories the country over.

Advanced Packaging . . . General Chemical Reagent Acids and Ammonia bottles are fitted with plastic caps especially developed for each individual product. For bulk users, carboys are available with glass stoppers, each accurately ground to fit securely. General Chemical's new returnable case containing 25 one pound bottles is especially designed for the chemist who prefers to use the original containers for shelf bottles.

General Chemical Special Acids

To meet the needs of buyers requiring bulk quantities of acids of substantially higher purity than commercial grades, or acids particularly suited to special uses, General Chemical Company has developed the following:

CRYSTAL GRADE HYDROCHLORIC AND SULFURIC ACIDS Though produced for industrial use, these acids very nearly approach the stringent standards of purity required for reagent grades.

DIAMOND GRADE NITRIC ACID . . . Represents the highest quality in commercial Nitric Acid and contains a minimum of impurities.

Other Special Acids:

SULFURIC ACID ELECTROLYTE (Battery Acid, all strengths)

CASTING CLEANING ACID (Hydrofluoric)

PHOTO-ENGRAVERS' NITRIC ACID

GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK, N. Y.

Sales Offices: Atlanta • Baltimore • Boston • Bridgeport (Conn.) • Buffalo Charlotte (N. C.) • Chicago • Cleveland • Denver • Detroit • Houston • Kansas City Milwaukee • Minneapolis • Newark (N. J.) • New York • Philadelphia • Pittsburgh Providence (R. I.) • St. Louis • Utica (N. Y.)

Pacific Coast Sales Offices: San Francisco • Los Angeles

Pacific Northwest Sales Offices: Wenatchee (Wash.) • Yakima (Wash.)

In Canada: The Nichols Chemical Company, Ltd. • Montreal • Toronto • Vancouver

Soda, sesquisilicate, dms., c.l., works..100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.c. 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .12 - .16
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works...lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst (see Glauber's salt).
N.V. VI, ex-siccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 2.90 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls.....100 lbs. 2.80 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38% basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton. 41.20 - —
protein, bgs., c.l. (40,000 lbs.), works..lb. .16 - —
l.c.l., 20,000 lbs., works....lb. .16¼- —
100 lbs., works.....lb. .16½- —
smaller lots, works.....lb. .20 - —
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works...lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .18
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .46 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l.....lb. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls.....lb. .07 Nom.
Wheat, thick, boll, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09½- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.30 - 1.35
Stramonium leaves, bls.....lb. .32 - .35
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, crystal., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .78 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns. 100-oz lots oz. .40 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .25 - 1.40
Milk, bbls., c.l.....lb. .20 - —
l.c.l., 10 or over.....lb. .21 - —
less than 10.....lb. .22 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's.....ea. 8.46 - —
1,000's.....ea. 72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea. 30.00 - —

Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
no. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 8.50
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton 17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
flour, comm'l bgs., c.l., mine.. 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine.. 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —

Sulphur, refd., roll, bgs., c.l., mine..100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l.....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls, No. 1.....lb. .02 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06¾- .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .04½- .05
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton. 10.00 - —
20%, bulk, same basis....ton. 12.00 - —
triple, bulk, f.o.b. works....ton. No prices

Soda Sesquisil.—Tallow

T

Talc, dom., Calif., 1, c.l.....ton. 20.00 - —
2, c.l.....ton. 17.00 - —
N.Y., fibrous, 98-94%, 325 mesh, c.l..ton. 14.00 -16.00
l.c.l.....ton. 16.00 -18.00
96-98%, 325 mesh, c.l..ton. 15.00 -17.00
l.c.l.....ton. 17.00 -19.00
99-99½%, 325 mesh, c.l.... ton. 15.25 -17.25
l.c.l.....ton. 17.25 -19.25
99.85-99.95%, 325 mesh, c.l. ton. 17.00 -19.00
coarse, off-color, c.l.....ton. 11.00 -13.00
Aluminum, flake type, grd. c.l..ton. 21.00 - —
l.c.l.....ton. 24.50 - —
Vermont, c.l.....ton. 14.00 - —
l.c.l.....ton. 15.00 - —
Imp., Canadian.....ton. No prices
French.....ton. No prices
Italian.....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow, extra, loose.....lb. .08 - —
special, loose.....lb. .07¾- —
sulphonated, 85% (24% fat), dms., c.l..lb. .05 - —
l.c.l.....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06¼- —
l.c.l.....lb. .07¼- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l.....lb. .08 - —

STAUFFER CHEMICALS

SULPHUR

and

BORAX
BORIC ACID
CARBON BISULPHIDE
CARBON TETRACHLORIDE
CAUSTIC SODA
CITRIC ACID
CREAM OF TARTAR
LIQUID CHLORINE
SILICON TETRACHLORIDE
STRIPPER, TEXTILE
SULPHURIC ACID
SULPHUR CHLORIDE
TARTARIC ACID
WHITING
TITANIUM TETRACHLORIDE

PACIFIC COAST PRODUCTS

SULPHATE OF ALUMINA : COPPERAS : COMMERCIAL MURIATIC ACID
COMMERCIAL NITRIC ACID : NITRATE OF POTASH : SUPERPHOSPHATE

Stauffer

Stauffer Chemical Co.

420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

Tamarind—Zinc Metal

Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.75 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y...unit-ton. 4.50 & .10
high-grade, bulk, Chicago, unit-ton. 4.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports..unit-ton. 4.25 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .05½- .06½
Tar acid oil, 15%, dms., c.c., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .29 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .80 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .06 - 06½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 3.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .75 - .77
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.80 - —
cns., 25 lbs.....lb. 1.85 - —
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal, Straits.....lb. .52 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
non-chalking, bgs., c.l. (20 tons), lb. .15¾- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons), lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .36 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
Toluol (toluene), 2° indus. tanks, E. of Omaha, frt. alld..gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works, lb. .37 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms.. c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:- Conn., Md., N. Y., Va., Ky., Mo., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O. Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51¼
dms., c.l., dlvd.....lb. .37½- —
Tech., dms.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .35 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .72½- —
l.c.l., 10 ex dock.....gal. .74½- —
5 ex dock.....gal. .76½- —
wood, dest., dist., dms., dlvd. E. ports..gal. .58 - .60
tanks, dlvd., E. cities...gal. .48 - —
steam-dist., dms., c.l., dlvd.gal. .71 - —
l.c.l., dlvd.....gal. .74 - —
tanks, dlvd.....gal. .66 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.85 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports .....ton.57.40 - —
Urea-ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
1-lb. tins.....lb. 2.30 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls.. kgs.....lb. .22 - .45
Vinyl acetate, cns., works.....lb. .35 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460- .04475
liquid, tanks.....lb. 05 - —
bbls. .....lb. 05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
160-185, amber.....lb. .17¼- —
160-185, black.....lb. .16 - —
160-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .47 - .50
cake, cs.....lb. .48 - .51
discs, cs.....lb. .49 - .52
yellow, crude, Africa, 10-bg. lots..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .42 - .43
Candelilla, bgs., 1 ton.....lb. .32 Nom.
jobbing lots.....lb. .33 Nom.
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .73 - .74
5 bgs.....lb. .73½- .74½
1 bg.....lb. .74 - .75
N. C., 3, bgs., 1 ton.....lb. .75 - .76
5 bgs.....lb. .75½- .76½
1 bg.....lb. .76 - .77
refined, bgs.....lb. .82 - .83
yellow, No. 1, bgs, ton....lb. .83 - .84
5 bgs.....lb. .83½- .84½
1 bg.....lb. .84 - .85
No. 2, bgs.....lb. .81 - .82
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .12½- .13
jobbing lots.....lb. .13½- .14
150°-160° m.p., bgs., 1 ton..lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .30 - .32
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.84 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
Whiting, gilders, extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
works.....ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
putty grade, bgs. (extra), c.l., water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .40 - .55

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylol, 5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
8°, dms., returnable, works, gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —

Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works....lb. .02 - .02½
French type, bbls., c.l.....lb. .0345- —
l.c.l. .....lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
l.c.l., ex whse., New York..lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle...lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02½ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd.lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09½- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .22
Metal (see daily quotations in Market report.)

Zinc Oxide—Zirconium

Zinc, oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb.	.06½-	—
l.c.l., dlvd.....lb.	.06¾-	—
bbls., c.l., dlvd....lb.	.06¾-	—
l.c.l., dlvd.....lb.	.07 -	—
leaded, 5%, bgs., c.l., dlvd. lb.	.06¾-	—
l.c.l., dlvd.....lb.	.06¾-	—
bbls., c.l., dlvd...lb.	.06¾-	—
l.c.l., dlvd.....lb.	.06¾-	—
35%, bgs., c.l., dlvd....lb.	.06 -	—
l.c.l., dlvd.....lb.	.06¼-	—
bbls., c.l., dlvd...lb.	.06¼-	—
l.c.l., dlvd.....lb.	.06½-	—
50%, bgs., c.l., dlvd.....lb.	.06 -	—
l.c.l., dlvd.....lb.	.06¼-	—
bbls., c.l., dlvd...lb.	.06¼-	—
l.c.l., dlvd.....lb.	.06½-	—
French process, com'l, lead free, bgs., c.l., dlvd..lb.	.06¼-	—
l.c.l., dlvd..lb.	.06¾-	—
bbls., c.l., dlvd..lb.	.06¾-	—
l.c.l., dlvd..lb.	.07 -	—
green seal, bgs., c.l., dlvd. lb.	.08¼-	—
l.c.l., dlvd.....lb.	.08¼-	—
bbls., c.l., dlvd..lb.	.08½-	—
l.c.l., dlvd.....lb.	.08¾-	—
red seal, bgs., c.l., dlvd.lb.	.07¾-	—
l.c.l., dlvd.....lb.	.08 -	—
bbls., c.l., dlvd.....lb.	.08 -	—
l.c.l., dlvd.....lb.	.08¼-	—
white seal, bgs., c.l., dlvd. lb	.08¾-	—
l.c.l., dlvd.....lb.	.09 -	—
bbls., c.l., dlvd..lb.	.09 -	—
l.c.l., dlvd.....lb.	.09½-	—
imported, gold seal, cks., ex whse..lb.	No prices	
green seal, bbls., ex whse., lb.	No prices	
white seal, cks., ex whse..lb.	No prices	
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb.	.10	Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb.	.24½-	.27½
Resinate, fused, pale, bbls...lb.	.10 -	—
precip., dms., dlvd.....lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., one ton..lb.	.27 -	—
smaller lots.....lb.	.28 -	—
USP, bbls.....lb.	.25 -	.27
Sulphate, cryst., bgs., c.l., 100 lbs.	3.40 -	—
l.c.l. .....100 lbs.	4.13 -	—
bbls., c.l.....100 lbs.	3.65 -	—
l.c.l. .....100 lbs.	4.40 -	—
flake, bgs., c.l.....100 lbs.	3.80 -	—
l.c.l. .....100 lbs.	4.55 -	—
bbls., c.l.....100 lbs.	4.05 -	—
l.c.l. .....100 lbs.	4.50 -	—
powd., bgs., c.l.....100 lbs.	5.35 -	—
l.c.l. .....100 lbs.	6.10 -	—
bbls., c.l.....100 lbs.	5.60 -	—
l.c.l. .....100 lbs.	6.35 -	—
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.07¾-	—
l.c.l., dlvd.....lb.	.08 -	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb.	.08 -	—
l.c.l., dlvd.....lb.	.08¼-	—
barium, pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd.....lb.	.05½-	—
calcium pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd.....lb.	.05½-	—
magnesium pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd.....lb.	.05¾-	—

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb.	.24 -	.29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	6.35 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-	—
ex whse., Pac. cst..lb.	.05¾-	—
Zirconium nitrate, kgs., works.lb.	3.00 -	4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.	75.00 -	100.00
white, 98%, grd., kgs., works, lb.	1.80 -	2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 4 issue, the next printing will be in the September 1 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

Celluloid Merger Ratified

Stockholders of Celluloid Corporation at an adjourned special meeting in Newark, N. J., July 31, approved a proposed merger into the Celanese Corporation of America. The plan had previously been approved by the Celanese Corporation stockholders, and completion of the merger awaits disposition of minority holders restraining orders. Hearings have been set for September 11 in Chancery Court, Elizabeth, N. J.

Abrasives Plant Destroyed

Blasdell, N. Y., Aug. 18, 1941

Fire today destroyed most of the buildings of the abrasives manufacturing plant of the Exelon Company, Inc., and caused damage estimated at more than $100,000. The plant was producing abrasives for defense.

Campbell Quits International Paper for Reynolds Metal Co.

Dr. John Campbell, technical director for the International Paper Company since 1929, has resigned to join Reynolds Metal Company, Richmond, Va. He will be in charge of the plant efficiency department devoted to the analysis and improvement of manufacturing methods. Dr. Campbell was formerly technical advisor for the Johns-Manville Company and the Abitibi Power & Paper Company, Ontario, Canada

Johns-Manville to Build Shell Plant for Army

Johns-Manville Corporation, this city, will build and operate a $27,000,000 shell-loading plant near Parsons, Kans., under an agreement with the War Department. In order to keep the plant separate from the regular business of the company, a subsidiary, the Johns-Manville Service Corporation, has been formed. Construction of the new plant will take about a year and will be financed by the government.

Painters Strike Action Deferred Until August 26

The Brotherhood of Painters and Decorators last week postponed until August 26 action on a threatened strike, after the Association of Master Painters and Decorators had refused to accept the plan of Louis F. Posner, impartial chairman of the industry, to eliminate the kickback system. The association has started action in Supreme Court to vacate the Posner plan and a hearing has been set for August 26.

Lacquer Emulsions Stability Prolonged by New Product

Lacquer emulsions of cellulose ethers, esters and mixed esters can now be made to remain stable for periods of as long as one year, according to Glyco Products Company, Brooklyn. The addition of a small percentage of a water-soluble synthetic "resin" known as 'Abopon,' to the water phase of the emulsion, has greatly stabilized and increased the useful life of the emulsion, the company reports. The procedure is to disperse the lacquer base in a water phase consisting of distilled water 98 percent, Dupanol M.E. (dry) 0.5 percent, a special purity sulfonated castor oil 1.5 percent, then add 1.5 percent to 2.5 percent of 'Abopon.'

Golden Gate Club Nominates H.L. Miner President

The following have been nominated for office in the Golden Gate Paint, Varnish and Lacquer Association:—President, H. L. Miner, California Ink Company; vice-president A. M. Oppedal, Braum-Knecht-Xeiman Company, secretary-treasurer, V. A. Strom.

The members of the executive committee will include the above officers and Frank E. Hawkes, of Hydrocarbon Companies; R. G. Congdon, A. H. Luebkeman, and John Morris.

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These nitroparaffins are also among the strongest solvents known for vinyl acetate-vinyl chloride co-polymers. They are useful, too, as solvents for other special types of vinyl resins and for nitrocellulose when minimum odor is essential.

Detailed information will gladly be furnished upon request.

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

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Vol. 140 August 25, 1941 Number 8

One Move for More Drums

The shortage of steel containers will be eased in substantial part by the Interstate Commerce Commission's authorization of the Bureau of Explosives to permit reuse of the light drums known as "single-trippers" or "one-timers." This is a common-sense ruling: a thin-steel drum seldom is rendered useless or unsafe in making one trip; and more careful handling can materially extend the life of these popular containers.

The permissive ruling will not, of course, bring into useful circulation all safe and satisfactory thin-steel drums; a large number will remain tied up in inventories, and it cannot be expected that all receivers of materials in drums will see that the containers are not destroyed in opening or cast aside after being emptied. Some educational efforts are indicated to be necessary, and it may be desirable in some cases to require purchasers to furnish their own containers. Cooperation must be forced on persons of a certain type.

There remain of the container problem the evils of excessive inventories which tie up heavy drums and cylinders and of plain negligence and procrastination about returning such containers no matter what sum is required as a deposit for each unit. It must be admitted that these deposits are largely nothing more than bookkeeping entries. Here again it may become desirable—it is already necessary—to bear down.

Extraordinary demands for steel will be given preference over use in drums for some time, and increasingly. The resulting condition is but one of many disturbances with which industry must be ready and willing to cope in exigencies. Industry must also be able to cope with these disturbances. To be able to meet the question of inadequate steel for drum-making, industry must make more efficient use of its containers. To do this it must be willing to see that drums are kept in circulation; not in "cold storage," the chill of which prevents the proper "warming" of the engine which keeps business going. If there is no adequate cooperative "warming up," somebody will feel obliged to "turn on the heat."

There Are Raw Materials

There are a lot of chemically or metallurgically rich minerals lying in hills and mountains and dried-up sea floors in many parts of this country. There are equally numerous and equally voluminous organic resources everywhere that plants grow. All these are potentially useful—but, their practical application, even in the stress of today, is not what they appear popularly to represent. Almost every day in almost every State in the Union there is printed in a local newspaper a story about the riches which underly Bald Hill in aluminum of potash or magnesium or whatever is getting the most "glarification" currently in the nation's headlines.

It is possible to derive two or three useful elements from alunite, for example. The cost of doing so is still a deterrent. Potash can be separated from greensand and aluminum can be made from clay. The processes are commercially practicable when the two elements are bringing a fair premium in price. But, the disposing of the by-product silica has not yet been reduced to economical performance. It is a simple thing to produce hydrogen by the electrolysis of water—and hydrogen is extraordinarily needed to make ammonia, methanol, and other necessary compounds. But, it has not yet been discovered how economically to handle the oxygen which is dissociated from the hydrogen of the water. With the increasing insufficiency of chlorine bleaches, it may turn out to be very useful to transform the dehydrated oxygen into a peroxide.

Such doings, even though they can be harnessed to the needs and the capabilities of industry, require power and plant. These can be provided—but their disposal on the eventual morrow of disuse is a deterrent of much building and equipping of plants that could hum for a limited time. It would pay better to find a means of converting the cellulosic and protein constituents of the wideflung weeds and other plants into a plastic which would serve as the shell of a bomb, and thus add much to the supply of steel for more permanent, and more useful, if not more necessary ends.

It would seem to be far better for the current, as well as the future, economical welfare of the world if the exigent demands of today for industrial materials were met with substitutes, leaving the customary materials to their customary applications. It is a sad commentary on the real progress of the human race that it must deprive itself of necessities in order to equip itself for self-destruction. Philosophizing is not for times of war. The pace has been set—and it must be followed; although there is the possibility and the duty in the chemical industry of putting into the race for survival new stimulants of speed which draw less upon more worthy pursuits.

—O-P-D—

Testing Flysprays

Argument over the efficacy, the adequacy, and the accuracy of the "knock-down-and-drag-out" test for flysprays and similar insecticides has customarily been as common at meetings of insecticide manufacturers as has that of phenol coefficients at gatherings of those who make disinfectants. Some degree of surcease may be expectable—complete cessation would require a fundamental change in the human race—as a consequence of a new development in the testing of flysprays by the United States Department of Agriculture.

The department's new test is described as paralleling conditions under which flies must be combatted in stables or barns. The insects are given a "shot" of the preparation being tested. Then they are put in a cabinet through which a current of sprayfree air passes. The victims thus are given as much chance to recover as they would have if prostrated on a barn floor. It is notable that the test calls for merely "sprayfree" air; any further refinement certainly would not provide a stable atmosphere.

—O-P-D—

Consumers and Price Control

The consumer is marching into the national free-for-all on price control. Consumers of bituminous coal have drawn up a case of allegations of "excessive and oppressive" prices, and trial of this action in the Department of the Interior September 9 is expected to give the consumer aspects of price control the emphasis which they have so far lacked in the general arguments at Washington.

One reason why the consumer's side has been sort of quiet is that consumer prices have not yet been inflated to the extent that wholesale prices have. This exemption is gradually vanishing. The consumer is getting "het up." His first call is that maximum prices be fixed—and by that he makes it plain he means fixed.

Price control is not new with respect to bituminous coal. It was authorized about four years ago, and eventually was undertaken after more than two years of program-making, which in turn did not get started until some administrative revisions had been effected. And the idea has not worked very well, as the consumers' complaint indicates.

Price control is by no means a simple undertaking in economics, of the plain variety or the political. The nibbling that has been done by OPACS is evidence of how not to try to do the job; and the results of the soft coal experiment support the conclusion that anything less than 100 percent control is much worse than none at all.

Price control is easily preferable to most, if not all, other means suggested for the prevention of inflation. In itself it is not enough. Sellers must do some educative work—through their advertising perhaps—in behalf of the wisdom of not buying everything it is possible to pay for by reason of temporarily increased income. The inculcation of thrift today will pay the seller manyfold tomorrow. And when thoughts arise of the needlessness of tomorrow's sales if today's can be made to pay enough, it is well to recall how many big earners of 1918 were scratching bottom two or three years later. Easy-come earnings just don't "stick to the ribs."

So, it is wise for sellers to do all they can to preclude the necessity of an all-out consumer demand for price control. Such a drive doubtless would be attended with a deal of unnecessary and unwarranted bitterness which could only be detrimental to the public relations of business. What is more: the results which consumers doubtless would achieve could be the foundation of a disastrously new sort of distribution system.

1878

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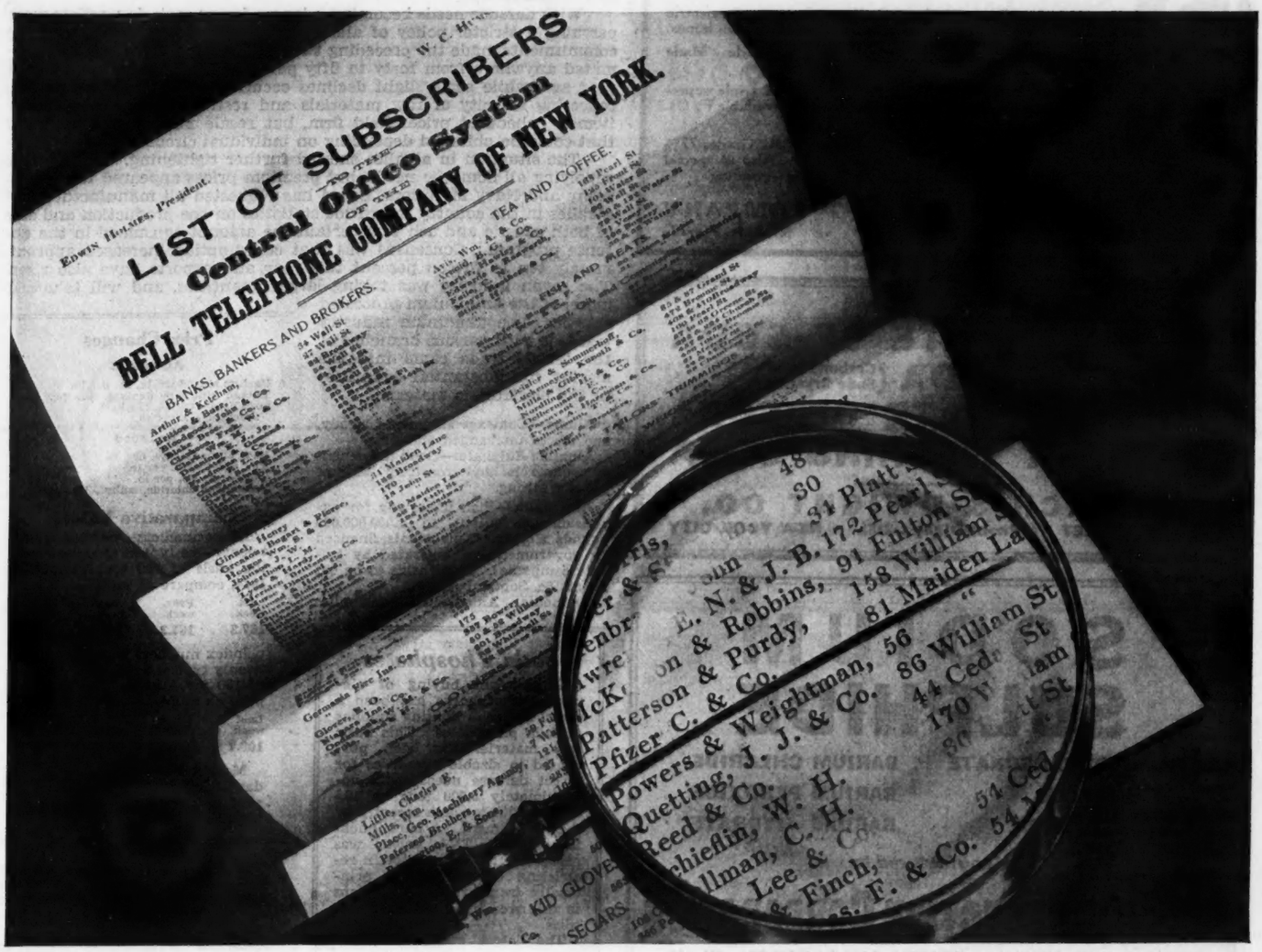

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Heavy Chemicals

Export Control Broadened to Include All Heavy Chemicals —Alkali Position Tightens with Government Seeking Data —A Strict Policy of Allocation Generally Adhered To

A broadening in export control provided the outstanding development in the market for industrial chemicals last week. Effective August 29, practically all forms, conversions and derivatives of heavy chemicals shall be included in the export list in addition to chemicals already listed in the several export control schedules issued previously. This would include other organic and inorganic acids and anhydrides; all other alumina compounds, potassium compounds, sodium compounds, ammonia compounds, metal salts and agricultural insecticides and fungacides.

With defense needs becoming a larger factof each day, sellers were persuing a stricter policy of allocation basing allotments on monthly commitments made the preceding twelve months. July sales were estimated anywhere from forty to fifty percent above the same month a year ago, while some slight declines occurred from preceding month, reflecting scarcity of raw materials and restricted supplies of many items. Scheduled prices held firm, but resale market was anything that could be obtained depending on individual circumstances.

The situation in alkalies showed further tightening. Sellers were supplying all domestic needs, but premium prices appeared for export. Army and Navy Munitions Board has requested all manufacturers of alkalies in the country to provide statistics on the production and sale of both caustic and ash to ascertain the amount consumed in the defense program. Consensus was that consumption increased approximately ten to fifteen percent this year and exports have also risen. The rayon industry was taking larger quantities, and will take still more, of the ammonium processed caustic. The aluminum industry together with various branches of the textile trade came into the market for substantial quantities of the electrolytic material.

Alums.—Contract shipments steady, and prices unchanged and firm.

Alumina Sulphate.—Good movement of commercial and iron-free. Market position strong.

Aluminum.—Plan underway for expansion of output to 1,500,000,000 pounds a year. New plants financed by government and operated by private companies. Ingot price to be cut 2c. at 15c. September 30.

Ammonia, Anhydrous. — Supplies absorbed by civilian and defense needs. Market tight, and prices firm.

Ammonia, Aqua.—Withdrawals remain heavy, and situation underwent no improvement. Prices rule firm.

Ammonia Bicarbonate. — Dealings steady, and prices display firmness.

Ammonia Bifluoride.—Spot offerings light. Prices remain firm.

Ammonia Nitrate.—Heavy requirements for defense take practically all offerings. Quotations firm.

Ammonia Silicofluoride.—Offerings scarce. Resale 20c. to 25c. per pound.

Ammonia Sulphide.—Business confined to regular channels. Prices unchanged and firm.

Ammoniac, Sal.—Good interest for usual channels. No change disclosed in the quotations.

Antimony. — Domestic spot metal still quoted at 14c. per pound. Commitments routine.

Antimony Oxide.—Tightness prevails, and offerings usually limited to regular consumers.

Arsenic.—A firm price tone characterized trading, while interest was brisk.

Barium Carbonate.—Active inquiry. Prices lack change.

Barium Chloride. — Offerings restricted. Resale 6c. to 6½c. per pound.

Barium Hydrate.—Demand steady. Prices unchanged and tone firm.

Barium Silicofluoride.—Spot offerings range from 14c. to 16c. per pound. Good inquiry.

Bleaching Powder. — Shipments moved at steady pace against contracts. Pricewise a firm tone predominated.

Price Changes

Advanced

Barium silicofluoride, 2c. per lb.
Potash titanium oxalate, 5c. per lb.
Soda arsenate, ½c. per lb.
arsenite, ½c. per lb.

Reduced

Soda stannate, ½c. per lb.
Tin, Straits, 1c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
167.3	167.3	163.8	153.7

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.7	108.7	108.7	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Soda Phosphates

Government buying of elemental phosphorus has been a direct factor in limiting supplies of soda phosphates. This basic raw material has been purchased in sizable quantities for direct defense needs, with approximately 5,000 tons or 10,000,000 pounds taken recently by the government. A curtailment in available TVA power was also a contributing factor in restricting operation, due principally from drought conditions in this area limiting water supplies.

The latest available census figures show production of various phosphates in 1939 amounted to 114,687 tons of tribasic; 42,210 tons of pyro; 13,627 tons of dibasic and 3,197 tons of mono. This compared with output in 1937 of 117,402 tons of tribasic; 22,330 tons of dibasic; 2,553 tons of mono and 10,228 tons of pyro. The trend has been upward for pyro while tribasic has shown a decline.

Effective August 29, soda phosphates will be subject to an export license. During the first four months exports aggregated 3,123,371 pounds, against 3,156,368 in the like period a year ago. Shipments for the entire year 1940 were 8,051,130 pounds, compared with 8,905,718 pounds in the 1939 year.

Price for di and tribasic phosphates have been advanced a few times so far this year. Prices for dibasic crystals now range from $2.20 to $2.70 per 100 pounds for car lots in bags, while tribasic is listed in car lots, bags, $2.35 to $2.85 per 100 pounds. At the start of the war quotations for dibasic crystals in car lots, bags, were $1.85 and tribasic, car lots, bags, $2 per 100 pounds.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Calcium Acetate. — Shortage continues, offerings limited. Prices firm.

Calcium Carbide. — Active buying for domestic and export. Prices rule firm.

Calcium Chloride.—A good volume of business remained in evidence. Prices failed to change.

Carbon Bisulphide. — Shipments heavy. A firm price tone prevailed.

Carbon Tetrachloride.—Business allotted, defense needs expanding. Prices firm. Resale 22c. to 27c. per pound.

Chlorine.—Business continues under full priority ruling. Prices remain firm.

Cobalt Oxide.—Market position considered favorable, and inquiries steady. Price firm.

Copper.—A ceiling established for scrap by OPM. Electrolytic remains at 12c. Defense needs absorb most of output, with shortage for civilian requirements.

Copper Salts.—Available supplies allocated among regular trade. Prices nominal.

Copper Sulphate.—Producers well sold ahead, and available supplies prorated as a rule. Prices firm at recently established levels.

Copperas. — Inquiries brisk, however, offerings retarded by restricted output from steel industry. Prices firm.

Fluorspar.—Situation tightening, and prices display firmer tone.

Glauber's Salt. — Steady demand from contract consumers. Prices unchanged.

Lead Acetate.—Market tight, offerings restricted. Prices the same.

Lime.—Shipments held at good levels, while prices lacked change.

Magnesite. — Spot offerings small. Market in firm position.

Nickel Salts.—Business on pro rated basis. Pricewise a firm tone predominated.

Phosphorus. — Government buying remains dominant factor in supply situation. Resale red 78c. per pound.

Potash Carbonate.—Demand active. Business on restricted basis. Prices firm.

Potash, Caustic.—Usual consumers made good-size replacements. Resale 8½c. to 9c. per pound.

Potash Permanganate. — Defense needs absorb large quantities, with business allocated as rule. Price firm.

Potash Titanium Oxalate.—Price up 5c. making barrels 45c. and drums 50c. per pound at the works.

Saltcake.—Domestic offerings well taken, and market in firm position.

Saltpeter.—Inquiries and shipments remain brisk. Prices held firm.

Soda Acetate. — Inquiries exceed supplies, and business on restricted basis. Prices firm.

Soda Ash.—Shipments moved at a good pace against contracts. Market position firm. Resale, light, $1.65 to $1.75 per 100 pounds.

Soda Bicarbonate.—Buying moderately active, and prices without change.

Soda Bifluoride.—Offerings limited. Market displays firm tone.

Soda, Caustic.—Situation tightening, broader demand from all consuming channels evident. Army and Navy Munitions Board requesting manufacturers to provide statistics on production and sales to determine amounts going into defense program. Resale, solid, $3.50 per 100 pounds.

Soda Cyanide.—Buying continues active. Prices unchanged and firm.

Soda Fluoride.—Tight situation prevailed, inquiries heavy. Prices without change.

Soda Hydrosulphite.—Business allocated as rule. Prices firm. Resale 32c. to 35c. per pound.

Soda Nitrite. — Steady inquiries prevalent, and market in firm position.

Soda Silicate. — Buying remains broad, while prices held firm.

Soda Silicofluoride.—Spot offerings light, inquiries steady. Government purchases factor. Prices nominal.

Soda Stannate.—Prices lowered ½c. at 33½c. to 36½c., reflecting 52c. price ceiling placed on spot Straits tin. Demand steady.

Soda Sulphide.—Business limited to regular channels. Prices firm. Resale 7c. per pound.

Sulphur, Refined.—Demand broad. Prices unaltered and firm.

Tetrachlorethylene. — Supplies scarce, and offerings limited. Resale 27c. to 33c. per pound.

Thallium Sulphate. — Spot stocks negligible. Shipments from Martinique expected to be offered at $20 per pound.

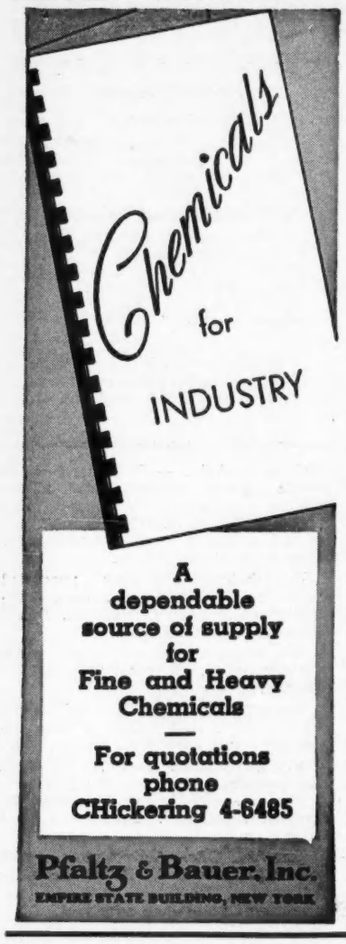
Tin Salts.—Based on new ceiling price of 52c. for Straits metal established by government, prices for tin crystals and anhydrous stannous chloride of tin declined ½c. at 39c. and 48c., respectively.

Zinc Sulphate.—Market retains its firmness, while shipments moved well against contracts.

Acids

Buying continued broad and active in the market for mineral acids last week. The heavy defense requirements provided a considerable portion

—*Continued on page 34*



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HYDROGENATED COAL-TAR CHEMICALS
Cyclohexane 98-100%
Methylcyclohexane 98-100%
Cyclohexanol 98-100%
Methylcyclohexanol 98-100%
Cyclohexanone 98-100%
Methylcyclohexanone 98-100%

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Barrett CHEMICALS

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Coaltar Chemicals

Chemicals Not Previously Listed Subject to Export Control —Active Inquiries for Tar Acids and Phthalic Anhydride —Anilin and Orthocresol Continue in Short Supply

Effective August 29, several coaltar chemicals will be added to the export control list in addition to chemicals as listed in the several export control schedules previously issued. This will include crude and refined coaltar, benzol, coaltar pitch, creosote oil, xylol and other crude coaltar products not previously listed. All other coaltar acids, coaltar colors, dyes and stains, betanaphthol and other intermediates in additional to those listed previously and coaltar chemicals used in connection with explosives.

Inquiries for cresols, cresylic acid, phenol and phthalic anhydride remained very heavy. A shortage, which has existed for some weeks, was unrelieved. Sellers endeavored to take care of all regular consumers' normal requirements, however, priorities and preference ratings were primary factors in retarding shipments to non-defense channels. An active interest prevailed for benzol, and output was well absorbed. Plans were underway to expand production of toluol from petroleum, one large producer announced a new unit to increase output several million gallons per year. Currently available production has moved directly into defense work.

Anilin oil, betanaphthol, dimethylanilin, dinitrobenzene, dinitrotoluene, monochlorobenzene, orthocresol and paranitrochlorobenzene were a few of the intermediates that were in short supply. Sellers followed the policy of allotting available quantities among regular consumers. An active interest continued for coaltar acids and colors.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Inquiry active and shipments steady. Market retained its firmness.

Carbazole.—Shipments routine to regular channels. Prices without change.

Coaltar.—Withdrawals against contracts proceeded steadily and market displayed firmness.

Creosote Oil.—A firm situation characterized the market. Major consumers made replacements steadily. Prices failed to change.

Cresols.—Inquiries exceeded available supplies in many instances and sellers followed policy of limited business to regular consumers. Prices rule firm.

Xylol

Despite capacity steel operations, and a leveling off in exports, a tight situation existed in the market for xylol. Estimates place production this year at about 7,000,000 gallons, compared with 5,645,993 in 1940 and 4,089,090 gallons in 1939 year. No new production is contemplated as xylol is strictly a by-product of the steel industry. The needs of the lacquer industry, the principal consuming channel, have been largely satisfied. Any shortage could be made up by the use of other substitutes such as toluol or petroleum solvents. Sellers usually limited sales to regular consumers' requirements against contracts.

An export license will be required to export xylol. However, a definite decline has occurred in shipments abroad since the start of the war. Shipments during the first four months this year amounted to only 235,515 pounds, compared with 390,267 pounds in the corresponding period a year ago. Exports for the entire year 1940 totaled 865,268 pounds, while no comparative figure is available for 1939, it is estimated that shipments to the Continent were much heavier.

Prices for various grades of xylol changed a few times from the Fall of 1939 through 1940 but conditions were more stabilized during this year. On August 28, 1939, quotations for industrial xylol in tanks stood at 26c. per gallon, and 10 degree, 29c. per gallon. Prices today are back to the levels prevailing at the outset of the war.

Cresylic Acid. — Business booked ahead against contracts and sellers unable to consider new business. Domestic prices firm. Offerings of imported scarce and small lots sold at $1.40 to $1.55 per gallon.

Naphthalene.—Tightness prevailed in market for crude and refined. Practically no imported available. Prices situation remained firm.

Oil, Shingle Stain.—Demand moderately active. Prices underwent no change.

Phenol.—Business active, with market position still tight. Prices unchanged and tone firm.

Pitch, Coaltar.—Dealings routine. No change disclosed in the prices.

Pyridin.—Supplies well absorbed by regular consumers. Prices continued firm.

Tar Acid Oils.—Active interest, with offerings restricted. Prices were the same.

Toluol.—Movement to defense channels taking available production. Prices without change.

Chicago.—Coaltar bases continue in relatively good call, with movement on orders attaining fairly good volume in the aggregate. Inquiry has revolved mostly around limited individual quantities. Benzol business has been fairly good. Ruling prices are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane.—Demand steady. Market position firm.

Cyclohexanone.—Interest good, and prices held the same.

Methylhexanol. — Shipments moved at a steady pace, while prices rule firm.

Coaltar Acids

Anthranilic.—Market firm, and buying steady from usual channels.

Benzoic. — Shipments confined to regular consumers. Prices firm.

Broenner's.—Inquiries routine. Market underwent no price change.

Cleve's.—Interest moderately active Prices lack change.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Fumaric.—An active inquiry prevailed. No change occurred in the prices.

Gamma.—Usual consumers provided a satisfactory replacement call.

H.—Dealings strictly routine. Prices underwent no alteration.

Maleic.—Active demand, market in tight position. Prices remain the same.

Malic.—Withdrawals moderately active. Pricewise a firm tone prevailed.

Picramic. — Steady buying, while prices held firm.

Picric.—Defense requirements absorb most of output. Prices firm.

Salicylic.—Technical grades in good call. No change in prices.

Sulphanilic.—Shipments steady. No change disclosed in the prices.

Tobias.—Market position firm, and buying active from regular sources.

Other Intermediates

Alphanaphthol. — Market position strong, buying steady.

Anilin. — Tightness characterized market, with available quantities allocated. Prices remain firm.

Anthraquinone.—Brisk buying, with price tone firm.

Benzaldehyde. — Shipments moved to regular trade in good quantities. Pricewise a firm tone predominated.

Benzidin Base.—Withdrawals steady and prices failed to change.

Betanaphthol.—Active inquiry, business usually allocated. Prices were without change.

Diethylanilin.—Business confined to regular channels. Prices the same.

Dimethylanilin.—Buying held at high levels, while situation was tight. Prices rule firm.

Dinitrobenzene. — Contract withdrawals absorb available supplies as rule. Prices without alteration.

Dinitrochlorobenzene. — Firmness characterized the market. Business good.

Dinitrophenol.—Demand well sustained and market firm.

Dinitrotoluene.—Inquiries remain at active levels, with selling restricted. Prices underwent no change.

Diphenyl.—Business held to regular consumers' channels. Prices were the same.

—*Continued on page* 34

Corporation Earnings Recently Reported

Company.	Period.	1941 Net income.	1941 Per share.	1940 Net income.	1940 Per share.
Air Reduction Co.	6 Mos.	$4,008,135	$1.50	$3,106,096	$1.15
American Home Products	6 Mos.	2,210,009	2.73	2,158,109	2.63
American Maize Products Co.	6 Mos.	491,704	1.64	242,409	.81
Atlantic Refining Co.	6 Mos.	5,063,000	1.79	5,264,786	1.87
Atlas Powder Co.	6 Mos.	988,110	3.04	744,518	2.29
Cleveland-Cliffs Iron Co.	6 Mos.	1,900,651	1.82	924,770	.72
Cliffs Corp.	6 Mos.	438,515	.54	229,673	.29
Congoleum-Nairn, Inc.	6 Mos.	1,171,324	.94	760,582	.61
Container Corp. of America	6 Mos.	1,160,691	1.49	939,761	1.20
Dewey & Almy Chemical Co.	6 Mos.	342,838	1.34	272,773	1.02
Dow Chemical Co.	12 Mos.	7,770,547	6.58	7,159,167	6.65
Du Pont de Nemours & Co.	6 Mos.	43,761,797	2.62	46,853,695	3.50
Ferro Enamel Corp.	3 Mos.	$143,785	$0.62	$123,409	$0.53
Firestone Tire & Rubber Co.	6 Mos.	4,789,165	1.75	2,565,061	.60
Freeport Sulphur Co.	6 Mos.	1,651,405	2.08	1,497,811	1.88
General Electric Co.	62Mos.	26,003,665	.90	25,981,572	.90
General Refractories	6 Mos.	501,259	1.26	382,477	.77
Granby Cons. Min. Smelt. & Powder Co.	6 Mos.	278,826	.62	381,634	.85
Hazel-Atlas Glass	6 Mos.	1,396,738	3.22	1,270,963	2.93
Hershey Chocolate Corp.	6 Mos.	3,279,319	6.86	2,573,737	2.53
Hygrade Sylvania Corp.	6 Mos.	530,693	2.19	416,378	1.68
Inspiration Cons Copper Co.	6 Mos.	978,092	.83	818,008	.69
International Salt Co.	6 Mos.	407,831	1.70	326,195	1.36
Kimberly-Clark Corp.	6 Mos.	1,356,821	2.17	1,373,651	2.20
Lee Rubber & Tire Corp.	6 Mos.	450,704	1.68	456,094	1.70
Lunkenheimer Co.	6 Mos.	479,484	2.31	294,339	1.39
National Gypsum Co.	6 Mos.	690,047	.42	528,636	.31
National Lead Co.	6 Mos.	3,289,000	.75	3,119,810	.69
National Oil Products Co.	6 Mos.	884,250	1.78	356,094	1.98
Plymouth Oil Co.	6 Mos.	628,177	.61	998,819	.97
Pacific Can Co.	4 Mos.	5,858	.03	.....	...
Savage Arms Corp.	6 Mos.	1,378,127	2.05	226,206	.34
Skelly Oil Co.	6 Mos.	2,669,746	2.72	1,544,961	1.42
St. Joseph Lead Co.	6 Mos.	2,745,129	1.40	3,023,066	1.55
Sun Oil Co.	6 Mos.	5,168,431	1.90	4,973,265	1.92
Texas Corp.	6 Mos.	23,407,368	2.15	.....	...
Texas Gulf Sulphur Co.	6 Mos.	4,746,021	1.24	4,500,973	1.17
Tubize Chatallon Corp.	6 Mos.	845,107	.92	702,375	.44
Union Carbide & Carbon	6 Mos.	21,342,134	2.30	19,972,175	2.15
Union Oil Co. of Calif.	6 Mos.	3,175,895	.68	2,014,380	.43
Union Bag & Paper Co.	3 Mos.	560,599	.44	516,931	.41
United States Leather Co.	6 Mos.	342,391	...	206,808	...
United States Steel Corp.	6 Mos.	61,374,746	5.60	36,315,003	2.72
Valspar Corp.	6 Mos.	125,106	.17	84,433	.06
Vick Chemical Co.	9 Mos.	2,576,887	3.78	2,546,686	3.67
Victor Chemical Works	6 Mos.	691,231	.99	485,845	.70
Wesson Oil & Snowdrift Co.	9 Mos.	1,729,122	1.46	1,567,418	1.19
Westvaco Chlorine Products Corp.	6 Mos.	719,020	1.65	728,562	1.72
West Virginia Pulp & Paper	6 Mos.	2,206,428	1.93	1,866,844	1.00

Tin Surveyed in Nevada

The Geological Survey also examined a tin deposit 22 miles north of Battle Mountain, Nev., a town on the Southern Pacific Railroad and on the main highway between Salt Lake City and Reno. There is no record of any production of tin from the area.

Placer deposits of commercial grade are limited to small draws that head in the area where veinlets are exposed. As the gravels are only a few inches thick and of small volume, only a few tons of cassiterite could be recovered from them. The large area of alluvium in the valley bottom below the tin-bearing veinlets has not been thoroughly sampled, but a few tests indicate that its tin contents to a depth of 40 feet is less than 0.1 of a pound a cubic yard.

Big Tin Stocks

Stocks of pig tin held by the tinplate and terneplate industry at the end of 1940 amounted to 35,170 tons, or the equivalent of 10.4 months' supply at last year's rate of consumption, according to the Bureau of Mines, United States Department of the Interior. The quantity on hand December 31, 1940, was 127 percent greater than that held on the same date the previous year.

American Anilin Products Expands Plant Facilities

American Anilin Products, Inc., this city, plans to improve its Lock Haven, Penna., plant by the construction of a second story addition to the present office building, erection of a new processing unit and boiler house. The installation of turbo-generators will be made to provide increased power facilities, according to Dr. Talfryn James in charge of technical operations. The improved facilities will entail an expenditure of approximately $320,000.

Benzol Freights Revised

Albany, Aug. 16, 1941

The New York Public Service Commission has approved new commodity freight rates of the Erie railroad on benzol, in tank cars, minimum weight subject to Rule 35 of Official Classification, from stations East Buffalo to Black Rock inclusive to North Tonawanda 4 cents per hundredweight; reduction, 3 cents. Effective September 8, 1941.

Zinc Oxide Saving Seen In White-Wall Tire Ban

OPD Washington Bureau
August 11, 1941

The manufacture of white sidewall automobile tires was prohibited yesterday in an order signed by E. R. Stettinius, jr., Director of Priorities. The order takes effect August 23. It is estimated that cessation of white sidewall tire manufacture will save more than 6,000 tons of crude rubber a year, or over 13,000,000 pounds.

Manufacture of white-wall tires consumes approximately two pounds more crude rubber per tire than the production of ordinary black tires. The order will also save some zinc oxide, which is used in the coloring of white sidewalls.

KOPPERS Tar Bases

PYRIDINE—2° and denaturing grades, as well as special fractions as required.

PICOLINES—2° alpha picoline and 3° beta picoline, gamma picoline, alpha alpha lutidine fraction.

LUTIDINES—3° alpha alpha lutidines, picoline fraction.

Also higher-boiling pyridine bases.

QUINOLINE—2°
Also higher-boiling quinoline bases.

OTHER KOPPERS CHEMICALS AND SOLVENTS

Coal Tar Solvents: Benzol (All Grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash).

Tar Acids: Phenol (82% and 90% and 39° Melting Point Pure) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Many Distillation Ranges) . . . Tar Acid Oils.

Naphthalene (Crude and Refined)

Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote.

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Paving Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Feat's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber.

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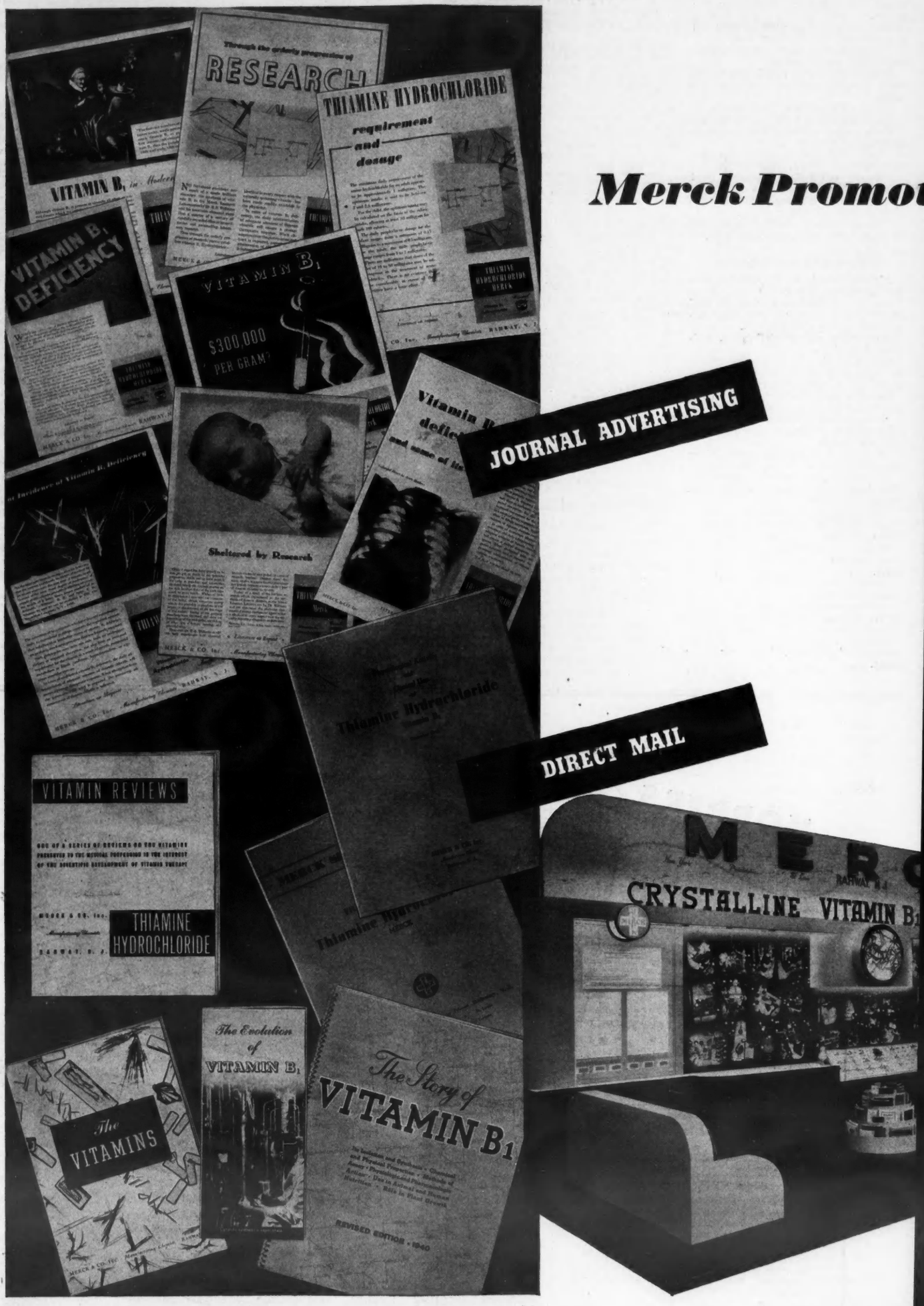


Merck Promot

n of Vitamin B_1 to the Medical Profession

Through timely and effective advertisements in leading medical journals, informative direct mail literature, and impressive exhibits at medical conventions, Merck & Co. Inc. is constantly and forcefully directing the attention of the medical profession to the importance of Vitamin B_1, as a service to our customers.

MERCK CONTRIBUTIONS IN THE VITAMIN FIELD

1934 Ascorbic Acid Merck (U.S.P.) was made available.

1936 Vitamin B_1 was synthesized in the Merck Research Laboratories.

1937 Vitamin B_1 Crystals Merck (Thiamine Hydrochloride U.S.P.) was made available.

1938 Nicotinic Acid Merck (U.S.P.) was made available.

1938 Riboflavin Merck (Vitamin B_2) was made available.

1938 Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.

1939 Vitamin B_6 was synthesized in the Merck Research Laboratories.

1940 Vitamin B_6 Hydrochloride Merck was made available.

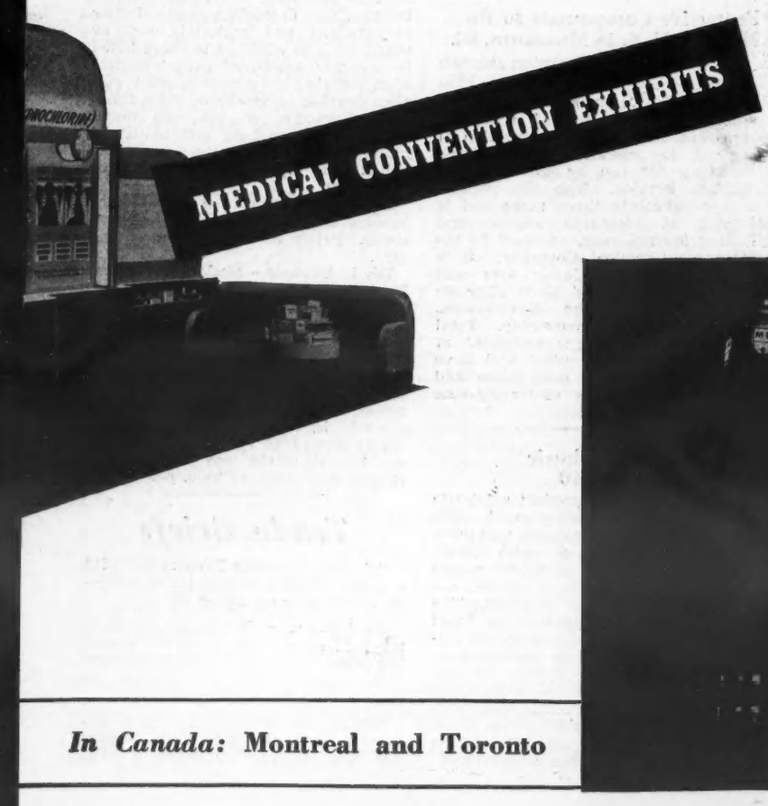
1940 Alpha-Tocopherol Merck (Vitamin E) was made available.

1940 2-Methyl-3-Phytyl-1, 4-Naphthoquinone (Vitamin K_1) was made available.

1940 2-Methyl-Naphthoquinone Merck (Vitamin K Active) was made available.

1940 Pantothenic Acid (Member of B Complex) was identified and synthesized by Merck chemists and their collaborators in other laboratories.

1940 Calcium Pantothenate Dextrorotatory Merck was made available.



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COMPANY
Niagara Falls, N.Y.

Coaltar Chemicals

Other Intermediates

—*Continued from page 31*

G. Salt.—Transactions routine. No change disclosed in the quotations.

Metanitroparatoluidin. — Demand adequate to take care of all offerings. Prices firm.

Monochlorobenzene.—Defense needs important factor in limiting supplies. Prices lack change.

Nitrobenzene.—Deliveries limited to regular trade. No change in the prices.

Nitronaphthalene. — Good buying movement prevailed. Nothing new occurred in the prices.

Orthochloroanilin.—Market position continued firm, while offerings were restricted.

Orthochlorophenol.—Situation without much change, buying held at high levels, while prices were the same.

Orthocresol.—Tight situation remained in evidence, while business was usually allocated among regular consuming trade. Prices firm.

Orthodichlorobenzene. — Firmness characterized the market, while usual consumers made replacements steadily.

Orthonitrotoluene. — Buying brisk and offerings on restricted basis. Prices firm.

Parachlorophenol. — Shipments steady. Prices unchanged and firm.

Paranitroanilin. — Consumers made appearance steadily to keep market firm.

Paranitrophenol.—Withdrawals well sustained. Pricewise a firm tone governed the dealings.

Paranitrotoluene. — Active inquiry continued. Price position firm.

Phthalic Anhydride.—Short situation still evident, while business was pro rated. Prices unchanged and firm.

R. Salt.—A moderate call was the rule. Prices without change.

Thiocarbanilide.—Shipments moved at good pace against contracts. Prices firm.

Toluidin. — Prices unchanged and tone firm. Purchases steady.

Coaltar Colors

Buying continued active from all consuming channels last week. Sellers were able to take care of practically all of the regular consumers needs, with some slight delays encountered in materials that were affected by raw materials shortages. Inquiries and shipments to the textile trade remained at high levels. Exports will require license after August 29. Price situation underwent no alteration, while the tone held firm.

While black coats retain their lead for August sales, a broader interest in light colors has been noticeable. A preference has been evident especially for brown, blue, green and red garments.

Six colors for men's Spring shoes have been selected by the joint committee of tanners, shoe manufacturers and retailers, in cooperation with the Textile Color Card Association. New colors were garrison tan, which the United States Army has adopted for the new garrison oxford shoe; national brown, a darker rudddy tone, and saddlebark, a sports shade of golden cast. Colors which will be repeated are Yankee brown, American tan and adobe tan.

INDUSTRIAL CHEMICALS

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Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

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Economy! Time saved—space saved—labor saved—reduced breakage—long life—no skilled labor needed—it adds up to real economy. And your shipment goes through O.K.

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We also make Multiple Bottle Boxes, any size any type

Specialists for 35 years

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Protective Compounds to Be Made by U. S. in Monsanto, Ill.

OPD Washington Bureau
August 11, 1941

The War Department today announced the selection of a site at Monsanto, Ill., for the construction of a plant to manufacture protective chemicals for use by the Chemical Warfare Service. The site consists of approximately three acres and is located at Monsanto avenue and Falling Springs road, adjacent to the Monsanto Chemical Company. It is expected that the latter firm will manage the proposed plant after its construction by the Government, which will retain ownership. Total cost of the project is estimated at about $400,000. The plant will have some 10,000 feet of floor space and will require a force of twenty-nine workers.

By-Product Sulphuric Output Up in 1940

The output of by-product sulphuric acid at copper and zinc plants in 1940, in terms of 60° Baume acid, amounted to 840,937 short tons, of which 254,025 tons were produced at copper plants and 586,912 tons at zinc plants, according to the Bureau of Mines. The acid reported is only that produced from the sulphur content of the sulphide ores. The figures are exclusive of acid made from pyrites concentrates in Montana and Tennessee. In addition, 134,250 tons of sulphuric acid were made at zinc plants from 35,261 tons of sulphur. In 1939 776,441 tons of by-product sulphuric acid were produced.

Heavy Chemicals

Acids

—*Continued from page 29*

of the new business, and this in turn brought delays in shipments to civilian consumers. Export control administrator will place practically all materials on the list of commodities requiring export licenses effective August 29. Price situation remains about the same, with the tone very firm.

Acetic.—Supplies scarce; offerings limited. Prices firm. Resale 23c. to 24c. per pound.

Battery.—Demand steady. Market firm.

Chromic. — Business confined to regular requirements of contract consumers. Prices without change.

Formic.—Market position tight, and buying held steady.

Lactic.—Buying fairly broad, while prices underwent no alteration.

Muriatic.—Buying active, and market displayed firmness.

Nitric.—Defense and civilian needs absorbed all offerings. Prices remain the same.

Oxalic. — Situation continues the same, with offerings limited. Resale 36½c. to 40c. per pound.

Prosphroic.—A firm price tone prevailed, while inquiries were good.

Sulphuric.—Buying remains broad against contracts. Prices unchanged and firm. June production of reporting fertilizer manufacturers totaled 208,884 tons, against 217,063 in May and 176,846 in June a year ago.

Baltimore, Aug. 20.—The market for sulphuric acid continues at about the same pace as before, with none of the important conditions changed, and with the nominal quotations still maintained at $12 per ton for 60-degree and at $15 per ton for 66-degree acid. Oleum is in about the same position, with the nominal figure still at $17 per ton for 20 percent material, and with the demand on the increase not only for the manufacture of smokeless powder and TNT, but also for agricultural activities.

Insecticides

A moderate inquiry in line with seasonal requirements prevailed in the market for most agricultural insecticides and fungicides last week. Interest for calcium arsenate in Southern cotton states was still regarded as satisfactory. An upward revision in the prices for soda arsenite provided the only price changes, while quotations for other materials held at firm levels.

Effective August 29, the export control administrator will add various insecticides to the list of commodities requiring export licenses. They include: nicotine sulphate. lead arsenate, calcium arsenate; other agricultural insecticides, fungicides and similar preparations and materials, dry or liquid basis in addition to those listed in previous numbered export control schedules (include copper arsenate, calcium cyanide, bordeaux mixture, lime-sulphur, weed killers, prepared animal dips, etc.); household and industrial insecticides, exterminators and repellents in liquid, paste powder or solid form.

Calcium Arsenate.—A satisfactory interest displayed in Southern cotton states. Prices remain unchanged and firm.

Lead Arsenate.—Moderate inquiry. Pricewise a firm tone prevailed.

Soda Arsenate.—Prices advanced ½c., making car lots, dealers, works, 8c. per pound; less car lots, same basis, 9¼c. to 9¾c. per pound.

Soda Arsenite. — Quotations ½c. higher with gray, car lots, dealers, works, 6¾c. per pound; less car lots, same basis, 7½c. to 8½c. per pound. White quoted at 7¾c. per pound for car lots at works and less car lots ranged from 8½c. to 9½c. per pound.

Trade Briefs

Scientific Products Corporation, 1312 Produce street, Los Angeles, has started manufacturing liquid cleaners.

Fuld Bros., a Baltimore manufacturer of insecticides, polishes, waxes, has opened a branch plant at 2444 East Eighth street, Los Angeles, to manufacture for West coast sales.

Don C. Bryan has been made executive vice-president of Dr. Pepper Company, Dallas, Tex., effective September 1.

Dyestuffs, Textile and Leather Chemicals

Inquiries Active But Scarcity of Spot Offerings Continues —Far East Situation Brings Sharp Advance in Nutgalls —Various Tanning Extracts Move in Good Volume

A scarcity of spot offerings continued in evidence in the market for dyestuffs, textile and leather chemicals last week. Inquiries reached market in good volume, but in many instances sellers were not able to book much forward business because of the uncertainty in securing adequate replacements. Meanwhile, operations in the principal consuming industries such as leather and various branches of the textile trade were at capacity levels. The OPACS has authorized rayon yarn producers to release immediately to former silk users, other than hosiery manufacturers, a substantial amount of rayon yarn to permit operations until a longer range plan can be developed.

A sharp advance occurred in Chinese nutgalls. This reflected the unsettled conditions in the Far East where prices in primary markets were advancing rapidly. Aside from this future shipments will remain uncertain until adequate shipping facilities can be arranged.

With tanning operations at high levels all types of tanning extracts moved in good volume. Many of the raw tanning materials, however remain cut off by the war. In most cases of other substitutes were adequate to take care of tanners needs.

Chemicals

Alumina Acetate.—Offerings continues limited. Prices firm.

Alumina Chloride.—Market short, and prices remain firm.

Antimony Salts.—Prices advanced 3c. making barrels 31c. per pound and drums 33c. per pound.

Logwood

Increasing demand for black coloring in various branches of the textile and leather industry was more evident as a result of the defense program. The Army and Navy shoe requirements absorbed sizable quantities, while parts of naval uniforms were dyed with logwood. Less logwood has been used in recent years by the silk industry. Consequently, the embargo on raw silk will not materially restrict the demand. Use of logwood in dyeing nylon and rayon has proven successful.

The outlook for even larger use in certain branches of the textile field appear bright. Any shortage in acid black may easily reflect in greater demand for logwood as a substitute in wools, cotton, rayon and nylon.

Most of the raw material emanates from the West Indies and Central America, so far no shortages have occurred. Shipping difficulties, however, have been encountered from time to time. Imports during the first four months this year totaled 3,665 tons, against 3,049 tons in like period a year ago. During 1940 year imports were 9,645 tons, compared with 6,753 tons in 1939.

India has been making inquiries for large quantities of logwood extract because of the difficulty in obtaining supplies of synthetic dyes from Germany, United Kingdom and this country. Exports from United States to all countries during the first four months this year were 556,708 pounds, against 260,299 pounds in the like period a year ago.

Prices at the start of the war stood at 18c. to 22c. per pound for crystals; 9½c. to 11½c. for the liquid and 15c. to 19c. per pound for the solid. Currently quotations are 24c. to 26c. per pound for crystals; 12c. to 13c. for the liquid and solid 20c. to 22c. per pound.

Price Changes

Advanced

Antimony salts, 3c. per lb.
Nutgalls,Chinese, 4c. per lb.
Oil, castor, sulphonated, 75%, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
235.9	232.6	226.0	144.8

Market news that may have developed after this report was sent to press will be found on page 4.

Potash Bichromate.—Business allocated among regular consumers. Prices rule firm. Resale 21c. to 22c. per pound.

Potash Prussiate. — Offerings restricted, and prices without change.

Soda Bichromate. — Shipments to regular consumers on limited basis. Prices underwent no change. Resale 19c. to 20c. per pound.

Soda Prussiate. — Steady inquiry, and market displayed a firm tone.

Sulphonated Oils.—Prices for 75 percent sulphonated castor ¼c. higher at 10½c. per pound in car lots and 11½c. for less car lots. Other prices remain firm.

Zinc Dust.—Business on restricted basis. Prices unchanged and firm.

Dyestuffs

Annatto.—Usual consumers provided satisfactory interest to keep market firm.

Cochineal.—Market remains routine affair, and prices were the same.

Fustic. — Inquiries and shipments were steady. Prices firm.

Hypernic.—Good interest. Pricewise no change occurred.

Indigo. — Purchases small, while prices retained their firmness.

Turmeric.—Available offerings well taken, and market position firm.

Sizing Materials

Albumen, Egg.—Interest lags, while domestic prices were firm and unchanged. In week ended August 16 government purchased 603,050 pounds of dried eggs.

Corn Sugar. — Shipments moved steadily and market remained firm.

Dextrin, Corn.—Business remained good. Prices underwent no change.

Dextrin, Potato.—Withdrawals moderately active. Quotations rule firm.

Egg Yolk.—Inquiries lighter, while domestic and imported prices failed to change.

Sago Flour.—Prices held the same, with replacements still an uncertainty.

Starch, Corn.—A brisk buying movement remained in evidence. Prices held firm.

Starch, Potato.—Offerings only moderate, and prices lacked change.

Starch, Rice.—No new price developments, while call was routine.

Tapioca Flour.—A firm price tone prevailed, with future supplies highly uncertain.

Tanning Materials

Chestnut Bark. — Movement held steady against contracts. Prices unchanged.

Cutch.—Commitments restricted to regular contract consumers. Prices firm.

Divi-Divi.—Prices continue at recently established levels. Good inquiry.

Gambier.—Spot offers remain scarce; future supplies uncertain. Prices strictly nominal. Extract 11½c., nominal.

Hematine.—A steady demand prevailed to keep market in firm position.

Nutgalls.—Chinese advanced 4c. per pound at 30c., with market nominal. Demand normal.

Quebracho.—A good demand prevailed. Pricewise a firm tone predominated.

Wattle Bark.—Inquiries and shipments steady. No change in the quotations.

Golwynne Offers Hydrosulphite

Soda hydrosulphite is being offered by the Golwynne Chemicals Corporation, this city. An advertisement of the company in last week's issue erroneously stated the new product to be sodium hyposulphite.

Among other products, the Golwynne organization deals in zinc sulphate, copper carbonate, white calcined magnesite, and acts as distributor for a wide line of nickel compounds manufactured by the Rufert Chemical Company.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
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Natural BICHROMATES

SODIUM ACETATE
—GRADES AVAILABLE—
Technical 60% Sodium Acetate
Anhydrous Sodium Acetate, 98-99.5%
Sodium Diacetate
(33-35% Acidity as Acetic Acid)
Anhydrous Sodium Diacetate
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•
BICHROMATE OF POTASH
•
CHROMIC ACID
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NEW YORK, N.Y.
MUTUAL CHEMICAL COMPANY OF AMERICA
270 Madison Avenue, New York City

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

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NOW AVAILABLE IN TANK CAR QUANTITIES

Selling Agents for
SHELL CHEMICAL CO.

R·W·GREEFF & CO.
10 ROCKEFELLER PLAZA,
NEW YORK CITY

Paint, Varnish, Lacquer Materials

Varnish Gum Prices Advanced to Meet Far East Increases—Lead Pigments Active — Titaniums and Zinc Oxides Tight —Many Dry Colors Scarce—Turpentine Lower

Upward movement of prices on natural resins was the feature of the market for raw paint materials last week. The advances reflected higher prices at primary centers and some increased shipping difficulties. Local demand was not very heavy. Synthetic resins were in fairly good call, with certain items very tight.

Demand for pigments remained good. Antimony white pigment was strong. Lead oxides were in good call and few prospective customers were being turned away. Buyers of zinc oxides and titaniums, however, were being doled small amounts. Spot business was at a standstill. Inert pigments were moving well, with asbestos showing strength. Certain asbestos items were placed on the priorities critical list. Synthetic resins, certain pigments and finished paints were placed under exports control, effective August 29.

Dry colors were very active, with short supplies reported from many directions. Colors with a base of cadmium, zinc and other metals especially were tight. Zinc yellow was put on the priorities critical list. Casein was growing tighter, domestic and Argentine production being unequal to demand. Turpentine had a downward trend in the main, offerings being somewhat freer, while demand slackened. Rosin was in fair demand with narrow changes in prices. Receipts in primary markets were generally moderate.

The Bureau of Explosives last week announced that single-trip drums may be re-used for inflammable materials under certain conditions. Further information regarding these conditions may be had on application to the bureau.

Metallic Lead and Zinc

Consumers continued to meet difficulty in obtaining sufficient supplies of pig lead. Pessimistic views regarding shortage were being expressed more frequently. Price was steady. What little slab zinc was available was allocated strictly, as in the past several months. No price change was made.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from August 16 to August 22, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	.. * .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

China Clay

Despite the fact that virtually all china clay shipped to the United States since the outbreak of war came from the heavily bombed Channel ports of Southwest England, imports to this country declined only moderately in 1940 to 105,567 tons, compared with 114,696 tons in the previous year. Similarly, in the first five months of 1941 imports were 29,277 tons against 36,165 in the same period of 1940.

Sales of china clay by domestic miners continued their almost uninterrupted upward swing since 1921 and rose in 1940 to another record of 833,450 short tons, compared with 789,804 in 1939. Further expansion of the demand for American paper clays, both for coating and filling paper, explained most of the increased sales. There were substantial gains, however, in the sales of high-grade clays to pottery manufacturers and of lower price clays for refractory purposes.

Price quotations on domestic clays have remained virtually unchanged for several years and readjustments of English clay prices largely represented changes in ocean freight rates.

Price Changes

Advanced

Gum, copal, ½c. to 2¾c. per lb.
dammar, ¾c. to 1¼c. per lb.
Kauri, 3c. per lb.
Rosin, gum, dark, 2c. per 100 lbs.
Rosin, gum, med. & pale, 1c. to 3c. per 100 lbs.
Turpentine gum, 15c. per gal.
s.d., 10c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from August 16 to August 22, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	.. * .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Material scarce. Offerings limited. Sales restricted to regular customers. Price strong but unchanged.

Blue Lead.—Demand fairly large. Shipments regular. Price unchanged.

Flake White.—Business remained satisfactory. Contract ordering routine. Inquiries fair. Price steady.

Litharge.—Slight slackening in contract ordering reported. Spot sales off a bit. Market still firm.

Lithopone.—Heavy demand. Offerings small. Contract buyers alloted certain amounts. Prices firm.

Orange Mineral.—Market steady and unchanged. Demand less insistent.

Red Lead.—Trade moved toward seasonal levels but was still far above normal. Inquiries off slightly. Prices steady.

Titanium Pigments.—Heavy demand from normal industrial users. Material scarce. Offerings restricted to contract customers and only for regular amounts. Prices steady.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

White Lead.—No changes from previous week. Business a little less active.

Zinc Oxides.—Allocation of supplies continued to feature the market. Open market bidders unable to secure adequate amounts. Prices unchanged.

Fillers and Extenders

Asbestos.—Good movement. Prices steady. Certain asbestos items last week were placed on the priorities critical list.

Barytes.—The market settled into a more seasonal groove last week, following several months of spirited activity. Buyers were apparently well stocked for the time being and were ordering only in small volume. Shipments were lighter. Prices were steady and unrevised.

Blanc Fixe.—No changes from previous week. Demand continued to taper somewhat. Prices were steady.

China Clay.—Demand fairly large. Shipments at good levels but smaller than in previous week. Prices steady and unrevised.

Diatomaceous Earth.—The market for all grades was well sustained during the period. The chemically pure material was in fairly good call but there was less interest shown in the natural. All prices were firm and unrevised.

Fullers Earth.—Market normal. Demand routine and prices firm.

Graphite.—Movement held to good levels. There was a drop in inquiries reported, however. Prices were steady.

Mica.—With certain types of mica very scarce the market, as a whole, was in an unsettled condition. No changes were reported.

Talc.—Fair demand for domestic material. Imported scarce. Prices unchanged.

Whiting.—Stocks low. Demand held to high levels. Offerings restricted. Prices steady.

Driers

Allocation of certain stearates and palmitates featured the general market last week. Spot sales were not reported. Contract buyers were being given preference and even they were encountering difficulty in obtaining regular supplies. Prices were firm to strong.

Dry Colors

Alkali Blue Toner.—Demand remained satisfactory, although not as active as in past week. Price unchanged.

Bone Blacks.—Shipments continued large. Demand at high peak. Offerings normal. Prices steady and unrevised.

Carbon Blacks.—Movement to tire industry at unchanged level. Demand heavy. Shipments large. Prices steady.

Chrome Colors.—Offerings small and sales strictly allocated. Spot market quiet, with little material available. Prices firm and unchanged.

Iron Oxides.—No changes reported from the previous two weeks. Offerings continued to taper and sales were smaller. Prices steady.

Mercuric Oxides.—Business was at seasonal levels last week, although call was mostly for small-sized lots. Prices were steady.

Ochers.—Domestic material continued to move in good volume. Prices steady and unchanged. Imported product scarce, with no offerings reported.

Zinc Yellow.—Demand heavy. Offerings small. Prices steady. Last week this material was placed on the priorities critical list.

Naval Stores

The naval stores situation was featured last week by a sharp reaction in turpentine, sales being reported in the Savannah market on Monday at 70c. per gallon, which compared with the 75½c. at the close of the previous week. On Tuesday the price declined to 66c. and on Wednesday 65c., showing a decline from the recent high of 10½c. per gallon. The setback in prices was attributed to a falling off in demand and some increase in offerings. Changes in rosin quotations were within small limits as buying interest was stimulated to some extent by the recent increase in loan values to producers.

The recession in turpentine was regarded by some as merely temporary, it being contended that the prospect of further large purchases by the government for export to Britain and the strength of the statistical position make considerably higher prices practically a certainty. Meantime government holdings of turpentine are steadily diminishing. Supplies in that quarter, it is estimated, have been reduced by fully one-half since the opening of the season, and predictions were heard that the holdings will have been cleaned up by the end of 1941, if not sooner. Meantime domestic requirements appear to be still on the increase and supplies in the hands of paint and varnish makers as well as other large consumers are believed in many cases to be comparatively light. There were reports of a fair export inquiry last week for rosin.

Turpentine.—There was less snap to business in the local market last week, a sharp setback in prices in the South making consumers disposed to curtail purchases and await further developments. Price movements in the primary center were reflected here.

SAVANNAH, Aug. 22.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	70	19,350	69	152	12,779
Tuesday	66	12,000	649	61	13,367
Wednesday	65	14,150	313	22	14,150
Thursday	62½	10,400	326	...	13,384
Friday	60½	14,250	285	72	14,197

* No trading.

JACKSONVILLE, Aug. 20.—Turpentine stocks, 9,944 barrels.

PENSACOLA, Aug. 16.—Turpentine stocks, 6,363 barrels.

Chicago—August 22

Buyers of turpentine much interested and making efforts to buy in large volume. Ruling prices at the close of business last night were: Five-drum lots, 80c. per gallon; five wood barrels, 85c.; single drums, 83c.; single barrels, 88c.

Rosin.—Changes in quotations in the local market were generally narrow last week in company with developments in the South where the tone appeared to be rather firm on the whole as a result of the increase in loan values to producers. Local trade was fairly active.

SAVANNAH, Aug. 22.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$2.47	$2.45	$2.45	$2.48	$2.46
D	...	2.47	2.45	2.46	2.46	2.46
E	...	2.47	2.45	2.46	2.46	2.46
F	...	2.47	2.45	2.47	2.46	2.46
G	...	2.47	2.45	2.47	2.46	2.46
H	...	2.47	2.45	2.49	2.48	2.45
I	...	2.47	2.47	2.46	2.48	2.43
K	...	2.47	2.47	2.46	2.46	2.45
M	...	2.52	2.53	2.54	2.54	2.54
N	...	2.54	2.55	2.56	2.56	2.56
WG	...	2.71	2.71	2.71	2.71	2.71
WW	...	2.92	2.92	2.92	2.90	2.90
X	...	2.92	2.92	2.92	2.90	2.90
	Barrels					
Sales	...	1,232	663	579	459	422
Receipts	...	428	720	842	350	776
Shipments	...	835	2,742	33	500	792
Stocks	...	...	...	...	...	172,068

* No trading.

JACKSONVILLE, Aug. 20. — Rosin stocks, 298,449 barrels.

PENSACOLA, Aug. 16.—Rosin stocks, 23,620 barrels.

Chicago—August 22

The rosin market is showing a tendency to stabilize at the high prices recently reached. Buying interest remains good. Ruling prices at the close of business last night in five-drum lots were:—B grade, $3.95 per 100 pounds net; G grade, $3.95; M grade, $4.03; W.W. grade, $4.42.

Other Naval Stores

Pine Oil.—Steady movement to local and other consumers. Market firm.

Pitch.—Stocks generally light. Quotations firm. Trade more active.

Rosin Oil.—Business fairly active. Market firm with basic material.

Tar.—Steady movement on contracts and transient orders. Tone firm.

Lacquer Materials

Defense needs continued to absorb a large part of available supplies in the market for lacquer materials and solvents last week. Sellers were allocating material among regular contract trade. Prices underwent no change, with the tone remaining very firm.

A number of chemicals will be included in the export control list which will become effective August 29 requiring export licenses. They will include ethyleneglycol and other alcohols, including glycols in addition to those listed in previous numbered export control schedule. Amyl acetate, cellulose acetate, ethyl ether, methylethyl ketone; other organic chemicals including ketones, aldehydes, esters, acetates and formates.

Acetone.—Business allocated among regular contract consumers. Price situation underwent no change.

Butyl Alcohol.—Shipments moved at good pace, while market was in firm position. Prices unaltered.

Cellulose Acetate.—Buying moderately active. No change disclosed in the quotations.

Dibutyl Phthalate.—Bulk of material entering defense work. Prices firm.

Ethyleneglycol.—Offerings restricted, and market in short position. Prices without change.

Isopropyl Acetate.—Sellers pressed

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

CHROME OXIDE
CHROME
TETRA HYDROXIDE
CHROME GREENS
•
VITRO MFG. CO.
Pittsburgh, Pa.

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DALLAS
• LOS ANGELES
• SAN FRANCISCO
• SEATTLE
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BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

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CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK Calco NEW JERSEY
Boston · Philadelphia · Providence · New York · Charlotte · Chicago

to make all shipments. Pricewise a firm tone prevailed.

Methylethyl Ketone.—A short situation continued, and business was usually allocated. Prices lacked change.

Tricresyl Phosphate.—Brisk inquiry; business on restricted basis. Prices unchanged and tone firm.

Shellac

Substantially firm undertones governed in the market for shellac throughout the past week. No weakness was noted in any quarter. Demand continued rather quiet but still bring volume to a total in keeping with the season. Calcutta cables all revealed stability at the source and it did not seem likely that weakness sufficient to revise prices down materially would develop in the nearby future.

Synthetic Resins

Ester gum movement remained somewhat restricted as producers refused to offer freely on the open market. Contract buyers were given the preference. Stocks continued to dwindle as producers, faced by a shortage of raw materials were unable to increase production enough to offset the heavier demand. Prices were strong.

Varnish Gums

Copals.—Various types were advanced from ½c. to 2¾c. per gallon. The market was quiet, with demand routine.

Dammar.—Batavias and Singapore gums were advanced ⅜c. to 1¼c. per pound. Demand slow.

Kauri.—The 80 percent chips were hiked 3c. per pound to 15½c.

Glues and Binders

Casein.—Offerings of both domestic and Argentine material were growing scarcer last week. Output in both countries was inadequate for demand. Prices were unchanged but were very strong.

Glues.—Demand continued to run far ahead of available supply of bone and hide glues. Only contract customers were able to obtain adequate supplies. Prices were strong and strictly nominal.

Munn & Steele, Inc., vermiculite processor and specialist, 130 Lister avenue, Newark, N. J., in association with the former owners and operators of the Celo kyanite mines at Burnsville, N. C., has acquired all of the assets of Celo Mines, Inc., under the corporate title Mas-Celo Mines, Inc.

Shawnee
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"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
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General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

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Calking Compounds Submitted by B.of S.

Proposed Federal specification for plastic calking compounds for masonry and other structures has been tentatively drafted by the National Bureau of Standards and is being sent to the trade for comment.

The specification covers one type, two classes and two grades. Class 1 calking compound for general, except on granite and marble. Grade A deals with gun application; and B with knife application. Class 2 covers calking compound for use on granite and marble and general use. The detailed requirement in the proposed specification follows:—

Material.—The compound shall be composed of pigments and fibers uniformly mixed in a liquid vehicle to a smooth paste suitable for calking joints in wood or masonry structures and at the periphery of wood or metal frames therein. The producer is allowed a wide latitude in the choice of raw materials for making this product.

Shrinkage.—The material when tested on limestone as prescribed in paragraph F-3b shall not shrink more than 17 percent.

Bond.—The compound when tested between limestone and glass as prescribed in paragraph F-3c shall not separate from the glass over an area greater than 10 percent of the original area of contact.

Tenacity.—A ⅛ in. layer of the compound on limestone when tested as prescribed in paragraph F-3d shall not break or crack after folding 6 times.

Rate of Hardening.—In a joint ⅜ in. wide between slabs of limestone the compound shall not harden more than 50 percent when tested as prescribed in paragraph F-3e.

Oil Retention:—

Class I compounds in a joint ⅜ in. wide between slabs of limestone shall not stain the stone for a distance greater than 1/16 in. from the surface of contact when tested as prescribed in paragraph F-3f (1).

Class II compounds shall not stain granite and marble for a distance greater than 1/16 in. from the edge of the pat when tested as prescribed in paragraph F-3f (2).

Slump.—In a joint ⅜ in. wide, 1 in. deep and 4 in. long the compound shall not flow or slump more than 3/16 in. when tested as prescribed in paragraph F-3g.

Copies of this specification may be obtained upon application, accompanied by money order, coupon or cash to Superintendent of Documents, Government Printing Office, Washington, D. C. Price 5 cents.

Durability of Soybean Oil Paints

—*Continued from page* 5

oil paints show the heaviest loss of film due to chalking; the linseed oil paints show the least; and the soybean-perilla oils mixture is intermediate. However, all the linseed oil paint films show considerable checking, and the film from the 40-percent zinc oxide paint has begun to chip, exposing the wood in one small area. The films from the soybean oil and the soybean-perilla oils paints show surface checking only with the 40-percent zinc oxide paints, and even here it was less than moderate in degree.

Conclusions

The following conclusions may be drawn from the above results after almost four years of comparative exposure tests, in which soybean oil has been compared for durability with linseed oil and with a blend of perilla and soybean oils in paints having the same pigment and drier percentages and with the same drying schedule of twenty-four hours between coats:—

1. Exterior white paints containing 100 percent soybean oil as the oil vehicle, made in accordance with the above formulations and containing 28 percent of oil by weight, are equal to similar linseed oil and blended perilla-soybean oils paints in resistance to chalking or to surface checking.

2. Similar comparisons of paints with 38 percent of oil by weight show that all the 100-percent soybean oil paints are slightly superior to the other two oil paints in resistance to chalking but slightly inferior in surface checking of the paint films.

3. Similar comparisons of paints with 48 percent of oil by weight show that all the paints containing soybean oil weather away by chalking more rapidly than similar linseed oil paint films but that the latter films have become brittle as shown by their checking and particularly by the chipping of the film from the 40-percent zinc oxide paint.

It should be noted that paints containing 48 percent of oil by weight are considered by many authorities as the best wood-priming coats, and for this purpose the paints containing all or half soybean oil may be considered as superior to paints with all linseed oil because the former paint films have not become checked or brittle like the linseed oil paint films.

4. The above paints made with 100 percent soybean oil have given very satisfactory durability results after nearly four years of continuous exposure tests, even though tested under an air drying schedule of twenty-four hours between coats, and forty-eight hours air drying before exposure. This drying schedule was intended as a very severe test for soybean oil in paints, and the above results show that paints made with 100 percent soybean oil, or with blended soybean-perilla oils, when correctly formulated with the proper pigments and driers, are equal in durability to similarly formulated linseed oil paints, even when the paints are air dried on the very short schedule of only twenty-four hours between coats.

Ultramarine Standards Revision Proposed

—*Continued from page* 3

Due to the urgent need for specifications by government departments, in connection with national defense, it is requested that suggestions be submitted to E. T. Hickson, chairman of the technical committee on paint Federal specifications executive committee, National Bureau of Standards, Washington, not later than September 11, 1941.

Aluminum Plants To Be Built by U.S.

—*Continued from page* 3

der a five-year lease, paying Defense Plant Corporation 85 percent of the net profits from operation. The contract with the aluminum company calls for 340,000,000 pounds annually of new aluminum manufacturing capacity. Defense Plant Corporation is considering the construction of other plants having an aggregate capacity of 260,000,000 pounds, to be built and operated by other manufacturers.

Copper Scrap Ceiling Based on 12c. Metal

—*Continued from page* 5

taining 92 percent copper. These maximums apply to sales by "makers" of scrap, delivered to the buyer's plant or warehouse. A premium of one-half cent a pound may be charged by makers only, on shipments aggregating 40,000 pounds or more and made at one time. A differential of 0.11775 cent per pound may be added to or subtracted from the ceiling prices for each 1 percent variation above or below the copper content of 96 percent in the case of No. 2 copper wire and mixed heavy copper, and 92 percent in the case of light copper, with proportionate adjustments for variations of less than 1 percent. The schedule prices will apply August 19, irrespective of existing contracts.

Buffalo Paint Club to Install New Officers September 5

New officers of the Western New York Paint & Varnish Production Club will be installed at the first meeting of the Fall season to be held in Tuyn's restaurant September 5. Officers are:—President, Edward J. Zimmer; vice-president, Albert S. Schuster; treasurer, Michael J. Catena; secretary, Robert G. Rowe, and plant manager, Herbert R. Johnston.

Oil, Fats, and Waxes

Chinawood Oil in Light Supply and Sharply Higher—Oiticica and Perilla Up—Dehydrated Castor Advanced—Moderate Changes in Refined Cottonseed Oil Futures

No broadening of business was noticeable in miscellaneous oils, fats and greases last week, many consumers still being disposed to hold off for further developments in the cottonseed oil situation as well as in political and legislative affairs at Washington, but in some quarters an increase was reported in the volume of orders for small or moderate lots of various technical and edible products. With offerings light, the prevailing tone was firm and the price trend was upward. In a survey of the fats and oils situation, the Bureau of Agricultural Economics stated that with an indicated 14 percent reduction in the cottonseed crop, and with hog marketings running somewhat under those of a year earlier, production of cottonseed oil and lard is expected to be smaller in the last 6 months of this year than last. Output of linseed oil, soybean oil, butter, and certain other fats and oils, however, probably will be increased, according to the bureau.

Vegetable Oils

Castor, Dehydrated.—Active and stronger. Tankcars advanced to 15½c. per pound.

Chinawood.—Firm at one cent advance. Inquiries numerous. Local supplies limited to comparatively small lots.

Coconut.—Crude firm. Spot nominal. Fair interest in futures. Copra firm; offerings light. Refined oil unchanged.

Cottonseed.—Firm at recent advance. Trade fairly active.

Oiticica.—Quotations advanced one cent. Inquiry good. Spot and primary stocks light.

Olive.—Trade quieter. Imported edible oil reduced 25c. Domestic steady. Unsold stocks of bulk oil in California estimated 45,000 gallons, maximum. Quality said to be excellent. Next season's output estimated 40 percent below current season; opening prices doubled. Denatured and foots steady; fair request.

Palm.—In light supply and firmer. Sumatra reported sold at 7¼c. per pound; spot, tankcars, up ¼c. Bulk Sumatra, distant shipment, 4¾c. to 4⅞c., nominal.

Perilla.—Tanks sold at 20½c. per pound, up ½c. Stocks small.

Rapeseed.—Increased request. Sales at 15½c. per pound, drums, tax included.

Soybean.—Demand stimulated by upturn in beans. Crude sales reported in West at ¼c. to ⅜c. advance.

There was no trading in soybean oil futures in the New York Produce Exchange, from August 18 to August 22, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
October	...	...	9.60 bid
December	...	...	9.60 bid

Markets at Other Centers

Chicago—Aug. 22

A quiet and generally rather firm vegetable oil market situation is reported, with orders in good volume and movement of material mostly up to expectations.

Coconut.—Edible oil, 13c. to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less than car lots.

Corn.—Crude, mills, 11½c. per pound. Refined, edible oil, 14¼c. to 14½c. per pound, drums, car lots; and 14½c. to 15c., drums, less than car lots.

Soybean.—Crude, August-forward, 9½c. to 9¾c. per pound; new crop, 9½c. to 9¼c.

The market for soybeans on the Chicago Board of Trade was active. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Aug. 22	Closing Aug. 15
Cash, No. 2	$1.57	$1.57	...	...
Oct	1.50¼	1.45½	$1.50⅛	$1.45⅝
Dec.	1.51⅝	1.46½	1.51¼	1.46⅝

San Francisco—Aug. 20

Vegetable oils quieter. Suppliers are unable to offer freely and, in some instances, unable to quote at all.

Coconut—Sales at 6¼c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Copra, 3.85c. to 4c. per pound.

Chinawood—Syndicate oil, 33c. per pound in tankcars, f.o.b. Pacific Coast ports. "Free" oil—Hongkong quoting today on the basis of 39c. per pound in drums, Pacific Coast, which trade feels too far out of line.

Oiticica—Solid oil quoted at 22c. per pound in drums; liquid at 23c., f.o.b. San Francisco.

Babassu—Nominal at 9⅛c. per pound in tankcars, f.o.b. Pacific Coast mills.

Cottonseed—Crude California, 11c. per pound in tankcars, f.o.b. northern California mills.

Palm, Crude—Nominal at 5¾c. per pound in tankcars, f.o.b. Pacific Coast ports.

Palm Kernel—Nominally 7c. per pound in tankcars, f.o.b. San Francisco, but small lots have been traded as high as 7¾c.

RAPESEED—Argentine oil, denatured and refined, quoted at 10½c. per pound in tankcars, f.o.b. Pacific Coast.

Walnut, Crude—Nominal at 10c. per pound in tankcars.

Price Changes

Advanced

Candelilla wax, 2c. per lb.
Castor oil, dehydrated, ½c. per lb.
Chinawood oil, 1c. per lb.
Linseed meal, 50c. per ton.
Oiticica oil, 1c. per lb.
Palm oil, ⅛c. to ¼c. per lb.
Perilla oil, ½c. per lb.
Soybean meal, $2.50 per ton.

Reduced

Carnauba wax, No. 3 chalky, 3c. per lb.
No. 3 North Country, 3c. per lb.
refined, 2c. per lb.
No. 1 yellow, 3c. per lb.
No. 2 yellow, 3c. per lb.
Corn oil, crude, ¼c. per lb.
Olive oil, edible, imported, 25c. per gal.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
165.6	165.0	161.8	94.2

Market news that may have developed after this report was sent to press will be found on page 4.

Linseed Oil

Flaxseed prices moved within a moderate range. Linseed oil quiet and steady. Meal stronger.

Flaxseed.—Duluth, Aug. 22.—Flaxseed receipts have fallen off owing to the restrictions against shipping to Duluth and Minneapolis for storage. Reports indicate fears that the early August heat damaged flaxseed. The Minnesota crop turned out well, but North Dakota, coming much later, took severe punishment.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.
Saturday	$1.87	$1.86
Monday	1.87	1.86
Tuesday	1.88	1.87
Wednesday	1.89¼	1.88¼
Thursday	1.88¾	1.87¾
Friday	1.89¼	1.88¼

Crop movement in bushels follows:—

	Receipts		Shipments	
	1941.	1940.	1941.	1940.
This week	67,590	453,670	46,640	48,000
Since Aug. 1..	136,560	507,837	58,885	51,112

Minneapolis, Aug. 22.—Heavy flaxseed receipts readily absorbed. The loan feature of $1.70 on farms and $1.85 at terminal markets was well discounted before final action in the matter was taken by the department of agriculture. As yet

Soybean Oil

Although production of soybeans in the United States this year, according to the government, seems likely to reach approximately 110,000,000 bushels, or 30,000,000 bushels more than in the previous season, prices for soybeans remain far above the levels ruling at this time last year. Last week the trend of prices was upward and the strength of beans was reflected in the market for soybean oil, reports being current of sales in Western producing centers at equal to 10¼c. per pound for crude in tankcars, New York basis.

Soybean oil prices last week were about a cent below the top quotations recorded in June of this year but they were much higher than at this time last year when the market touched 4¼ cents per pound. In August, 1939, when the European war started, the price was 4½c. per pound. Consumption of soybean oil in recent years has been steadily increasing at the expense of other vegetable oils, especially in the manufacture of edible products, and during the current year the use of soybean oil is expected to show a further expansion owing mainly to the prospective shortage of cottonseed oil as a result of the reduced cotton crop.

Consumption of crude soybean oil during the first half of the current year was 277,273,000 pounds. This compared with 241,034,000 pounds in the same time in the previous year and 208,408,567 pounds in the corresponding period of 1939. Refined oil consumption in the first half of 1941 was 311,472,000 pounds against 180,194,000 pounds in the first half of 1940 and 148,166,000 pounds in the same time in 1939.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 295 Madison Avenue, New York, N. Y.
ESTABLISHED 1837 FACTORY: NEWARK, N. J.
ASHLAND 4-8251 CABLE: GROSSRAY

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
New York, N. Y.
SPOT FUTURE

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids
Palm Oil Fatty Acids
Lauric Acid
Coconut Oil Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address: "EPILOGUE"

DISTILLED
FATTY ACIDS
Tallow Fatty Acids
Cocoanut Fatty Acids
Cottonseed Fatty Acids
HYDROGENATED FATTY ACIDS
(Rufat 52)
STEARIC ACID
RED OIL
(Oleic Acid)
WILSON & CO. INC
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

there has been no influence on marketing but there is an idea prevalent here that the farmers will regard the loan as a floor and therefore be a little more conservative in their marketing. It is reported that some farmers hauled their flax back home from country elevators when they learned that the loan plan had passed inspection.

Trade in futures is rather lively. Hedging pressure from the country seems to be increasing and demand is of good character. Crushers are the best buyers. Due to the fact that spot flaxseed is selling above the loan level and futures there is increasing speculative interest in offers. Stocks in local public elevators increased 825,000 bushels in four days compared with an increase of 460,000 bushels a year ago. Quality of the new seed remains good on the average, better than last years early crop movement.

The week's closing flaxseed price range was as follows:—

	Cash	Sept.	Dec.
Saturday	$1.86	$1.86	$1.89½
Monday	1.86	1.86	1.89½
Tuesday	1.87	1.87	1.90⅝
Wednesday	1.89¼	1.88¼	1.92½
Thursday	1.88⅝	1.87⅝	1.91⅝
Friday	1.88⅝	1.88¼	1.92¼

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	3,531,860	2,535,000	50,400	414,400
Since Sept. 1	18,369,460	8,489,400	2,358,850	3,254,300

Winnipeg, Aug. 22.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.46½	$1.44⅝	$1.44⅝
Monday	1.44⅝	1.44¼	1.44¼
Tuesday	1.44	1.44	1.44
Wednesday	1.44½	1.44½	1.44¼
Thursday	1.45	1.45	1.45
Friday	1.47½	1.47⅝	1.47¼

Buenois Aires, Aug. 22.—Flaxseed, September, 73¾c. per bushel. Exports this week 252,000 bushels, including 240,000 to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	12,039,000	8,668,000
United Kingdom	940,000	5,837,000
Continent	642,000	11,856,000
Orders	.....	606,000
Others	1,033,000	727,000
Totals	14,654,000	27,694,000

Visible Supply

	Bushels.
Last week	20,472,000
Previous week	19,685,000
Last year	5,512,000

Linseed Oil.—A steady tone prevailed in the local market, although there was little to record in the way of activity so far as new business was concerned. The movement on contracts, however, held up well for this period. Flaxseed prices had an upward trend at times. A good demand for cash seed reported in Northwestern markets and liberal arrivals were well absorbed. Predictions were heard of a decrease in marketing in the near future as a result of the action of the government in granting a loan to flaxseed growers. The rates are expected to average $1.70 per bushel on the farm, which would make the primary market basis $1.85 per bushel for No. 1 seed delivered. The rate will be discounted five cents per bushel on seed grading No. 2. This action is expected to have the effect of stabilizing prices for seed. Nothing definite was announced last week concerning the proposed reciprocal trade agreement with Argentina, but there was an impression in some quarters that action would be announced in the not distant future providing for a reduction of around 50 percent in the duty on flaxseed imports into this country.

Minneapolis, Aug. 22. — Crushers are able to sell linseed oil just as fast as they want to and buyers are avid after supplies wanted up to the end of next April.

Shipping instructions are swamping the trade. Mills are probably a full month behind their shipping instructions and have no hopes of catching up for some time.

Quotations on tankcar lots f.o.b. Minneapolis, 10.2c. per pound; cooperage, car lots, 11.1c. per pound; warehouse lots, 11.5c. per pound. These quotations are nominal and because of the strong demand crushers are pretty well in command of the situation.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,100,000	3,400,000
Since Sept. 1	200,490,000	152,180,000

SAN FRANCISCO, Aug. 20.—Deliveries of linseed oil very good, but new business is light. Quoted: Tankcars, 9.8c. per pound; drum lots ex-mill, 10.7c.; drum lots ex-warehouse, 11.1c.

Chicago, Aug. 22.—Linseed oil continues firm. Most sellers are seemingly not anxious to extend their positions and are waiting for buyers to come in. Tankcar, 10c. per pound; drums, car lots, 10.9c.; drums, less than car lots, 11.3c.

Cake and Meal.—Inquiry for meal was better and the market was firm at an advance of 50c. per ton.

Minneapolis, Aug. 22. — Demand for meal is not quite as snappy, but crushers are well sold ahead and will soon run into shipping orders on supplies bought for September shipment.

Spot and nearby meal quoted at $33; October-December shipments, $33.50; January-March shipments, $34.

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Uniform Quality, for All Uses
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MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal) New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
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Warehouse Stocks at CHICAGO — CLEVELAND — LOS ANGELES — OAKLAND, CALIF. — SAN FRANCISCO — SEATTLE

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	7,520,000	5,680,000
Since Sept. 1	363,731,000	205,080,000

Chicago, Aug. 22.—Linseed meal firm. Feeders are displaying a fair amount of interest. Round lots, $33 per ton, nominal; car lots, $33.50 to $34; less than car lots, $35.50 to $36.

Cottonseed Oil

Trading in refined cottonseed oil futures was quiet. Price changes moderate. Southern markets generally firm.

Cottonseed Oil.—Trading in refined cottonseed oil futures continued on a small scale last week in the absence of any definite action in the matter of government price regulation. Changes in quotations were moderate and mainly in company with the course of other commodities. In the main, however, the tone was firmer. Soybeans showed renewed strength, and at times the trend of lard, cotton and grain was upward. Offerings of cottonseed oil contracts were generally light, although there was further selling of December that appeared to some to be of a hedging character.

With the cotton crop backward, offerings of crude oil continued very light. There were reports of bids for new-crop oil at 10¾c. per pound. Soybean oil was more active and sales were reported at an advance of ¼c. Reports were current of an increase in demand for cash refined cottonseed oil. Shortening was also reported in somewhat better request. Receipts of hogs in Western centers were moderate. Stocks of lard in Chicago decreased 7,410,059 pounds during the first half of August, against a decrease of 2,108,675 pounds in the same time last year. Stocks there August 15 were 184,606,005 pounds, against 193,796,048 pounds last year.

Further rains were noted in sections of the cotton belt where they were not wanted, and reports continued to be received of weevil damage. The weekly government report was mainly rather favorable.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 18 to August 22, inclusive, comprised 541 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	11.98	11.82	11.93@11.94
March	12.09	11.72	12.03@12.05
September	12.48	11.92	12.35@12.39
October	12.09	11.75	12.02@12.04
December	12.09	11.60	11.94 sale

Crude, Southeast, 10¾c. Nom.

Chicago, Aug. 22.—Better tone has developed in the cottonseed oil market, and orders are somewhat brisker. Refined, edible oil is 14c. to 14½c. per pound, drums, car lots, and 14½c. to 15c., drums, less than car lots.

Cake and Meal.—A firm tone continued to be reported in Southern markets as offerings remained light. Trade was quiet.

Markets at Other Centers

Atlanta—Aug. 20

Cottonseed products quiet and firm. Meal, 8 percent, $35.50 to $36 per ton, Southeastern mill points. Prime crude oil, new crop, 10¾c. per pound. Cotton crop condition shows little change. Low yields generally expected.

Memphis—Aug. 21

Crude cottonseed oil nominally 10¾c. per pound, Valley basis. Practically no trading. Meal, 41 percent, $35 per ton, Memphis basis. Bulk cake $31.50 per ton, Valley basis, prompt and September shipment. Seed movement continues slow. General crush will not start this section as early as expected. Frequent rains delaying picking. Continued reports of damage from boll weevil, worms and blight. Not expected yields in Tennessee, Arkansas and Mississippi will meet last government figures. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Aug. 14.	Aug. 21.
October	$33.75@34.25	$34.50@34.80
December	34.00@—	34.85@35.00
January	33.90@34.15	34.85@35.00

Closing soybean meal futures:—

October	$30.75@31.00	$31.40@31.70
December	30.7'@—	31.25@31.40
January	30.75@—	31.2'@31.45

Fatty Acids

Capric Acid.—Firm at recent advance. Output well absorbed.

Castor Oil.—Steady movement to makers of cosmetics and soaps.

Cottonseed Oil.—Increased movement of moderate lots. Market steady.

Lauric Acid.—Fairly active request from makers of soaps and chemical compounds.

Palm Oil.—Firm with raw material. Trade fairly active.

Soybean Oil.—Business fairly active. Raw material stronger. Acid market steady.

Stearic Acid.—Contract movement steady. New business fairly active.

Chicago—Aug. 22

Fatty acids are somewhat more active. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less than car lots; coconut oil, acidulated, 15¼c. to 15¾c. per pound, tankcar; 15¾c. to 16¼c., drums, car lots; 16¼c. to 16¾c., drums, less than car lots; cottonseed oil, double distilled, 13¼c. to 13½c. per pound, tankcar; 13¾c. to 14c., drums, car lots; 14¼c. to 14½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3¼c. to 3½c.; boiled down soap stock, 65 percent basis, 4¼c. to 4½c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Fish Oils

Sardine.—Increased movement of moderate lots of refined oil.

Seal.—Local quotations stationary. Tone steady. Fair inquiry.

Sperm.—Increased movement of moderate lots. Market steady.

Whale.—Refined oil in fair request. Tone steady.

Markets at Other Centers

Baltimore—Aug. 20

Crude menhaden oil quiet. Last sales at 55c. per gallon. Fishing news less favorable owing to bad weather. Fishing companies have ample storage space and are not offering oil.

San Francisco—Aug. 20

A substantial quantity of California sardine oil, said to have been in the neighborhood of 75 tankcars, sold at 55c. per gallon. Production in all open centers seemed to be well sustained, and in the San Francisco Bay area it was unusually good, over 13,000 tons of raw fish having been turned in since the opening date on Aug. 1. Monterey plants were getting into action last week, and catches were starting to pour in.

It is estimated that some 850 tankcars of Northern California oil have been placed into contract, and approximately 125 tankcars of Southern California oil have also been sold. The Southern district does not open until later in the season.

Further quantities of Oregon-Washington pilchard oil moved into contract last week on the basis of 55c. per gallon. A statistical report, just released, shows the raw fish tonnage in Oregon-Washington operations so far this season as better than 21,000 tons.

Fats and Greases

Grease.—Fair demand on spot. Offerings light. Tone steady.

Chicago, Aug. 22.—Choice white grease, 7¾c. to 8c. per pound; yellow, 7½c. to 7¾c.

Lard.—Local demand for moderate lots somewhat better. Market steadier.

Chicago, Aug. 22.—Following is a lard price record, per 100 pounds for the week:—

	High.	Low.	Closing Aug. 22.	Aug. 15.
Cash	$10.27	$9.82	$10.27	$9.82
Oct.	10.45	9.92	10.40	9.92
Dec.	10.70	10.10	10.67	10.12

Stearin.—Spot stocks moderate. Inquiry fair. Market steady.

Chicago, Aug. 22.—Prime oleo stearin, 9c. to 9½c. per pound.

Tallow.—Increased movement of small and moderate lots. Large buyers holding off.

Chicago, Aug. 22.—Inedible tallow, prime, 8c. to 8¼c. per pound; special, 7¼c. to 7½c.

Animal Oils

Degras.—Steady movement of moderate lots. Tone remained firm.

Lard.—Qotations maintained. Tone steady. Trade fairly active.

Chicago, Aug. 22.—No. 1 lard oil, 11¾c. to 12c. per pound.

Neatsfoot.—Fairly active inquiry for all grades. Stocks light.

Oleo.—Moderate lots in fair demand. Spot stocks light.

Chicago, Aug. 22.—Extra oleo oil, 11c. to 11½c. per pound.

Tallow.—Steady at recent advance. Demand fair.

Chicago, Aug. 22.—Acidless tallow oil, 11½c. to 11¾c. per pound.

Waxes

Bees.—Still strong and steaming along at high speed as to demand. Crude firm in all primary markets.

Candelilla.—On hundred and thirty tons lost in fire on steamship Panuco. Spot almost bare of stocks. Purely nominal at 32c. per pound.

Carnauba.—Lower all around. Prices:—Ton lots, chalky, 73c. to 74c.; No. 3 North Country, 75c. to 76c.; refined, 82c. to 83c.; No. 1 yellow, 83c. to 84c.; No. 2 yellow, 81c. to 82c. New-crop offerings about due. Old crop still offered virtually prompt shipment—if there be a ship sailing promptly—without stirring buying activity here. Entire tendency locally is to beware possible declines at the source.

Japan.—Quoted unchanged, although the Thin Man says it should be higher. Naturally, since nothing more can be had from Japan.

Oils and Fats Import, Exports: June Quarter

Statistics on imports for consumption of oil seeds, fats and oils and on exports of domestic fats and oils, together with exports of foreign fats and oils, as compiled by the Bureau of Census for the quarter ending June 30, 1941, compared with the June quarter, 1940, follow:—

Oilseeds Imported

	Tons 1941.	1940.
Babassu nuts, kernels	10,015	12,032
Castor beans	40,282	26,680
Copra	70,486	63,993
Flaxseed	93,232	88,312
Palm nuts, kernels	456	6,977
Rapeseed	.....	.....
Sesame seed	894	2,567
Other oilseeds	4,855	1,345

Fats and Oils Imported

	Pounds 1941.	1940.
Animal oils, fats, edible	2,128,186	337,888
Carnauba wax	7,692,112	4,514,777
Chinawood oil	10,718,000	28,015,210
Coconut oil	96,310,924	79,855,906
Cod oil	2,050,290	714,263
Codliver oil	3,287,205	6,112,815
Corn oil	250,443	192,423
Cottonseed oil, refined	142,191	278,101
Fatty acids, vegetable	250,399	124,438
Glycerin, crude	1,742,928	1,544,571
Glycerin, refined	.....	1,048
Linseed oil	44,615	1,087
Oiticica oil	12,930,914	5,587,863
Olive oil, edible	3,134,527	23,747,828
Olive oil, sulphured	591,126	9,160,882
Olive oil, other inedible	192,007	2,335,019
Palm oil	58,763,331	57,572,223
Peanut oil	535,697	1,544,104
Perilla oil	2,750,832	1,106,475
Rapeseed oil	5,124,826	2,697,053
Soybean oil	502,150	1,389,641
Stearic acid	.....	165,194
Sunflower seed oil	.....	216
Tallow, inedible	3,287,836	662,577
Teaseed oil	404,377	296,174
Vegetable tallow	875,169	1,103
Whale oil	1,346,970	16,711,418
Wool grease	280,805	879,714

Foreign Fats and Oils Exports

	Pounds 1941.	1940.
Chinawood oil	1,057,059	1,061,882
Coconut oil	1,158,827	2,263,024
Fish oil	67,185	52,832
Olive oil, edible	395,082	71,341
Palm and palmkernel oil	13,256,721	9,311,973
Peanut oil	.....	387,000
Perilla oil	1,411,040	445,623
Vegetable tallow, wax	401,515	951,896

Domestic Fats and Oils Exports

	Pounds 1941.	1940.
Coconut oil, crude	3,048,543	3,932,084
Coconut oil, refined	5,014,873	1,784,389
Corn oil	41,033	97,394
Cottonseed oil, crude	310,290	385,798
Cottonseed oil, refined	3,627,953	2,299,647
Fish oils	451,629	935,426
Grease stearin	57,141	700,599
Glycerin	1,797,211	3,169,662
Lard	53,172,177	47,434,543
Linseed oil	1,437,450	1,112,301
Neatsfoot oil	123,003	151,841
Oleo oil	108,935	357,542
Oleo stearin	2,396	18,718
Oleo stock	27,500	60,769
Peanut oil	2,087,328	877,089
Red oil	523,802	359,163
Soybean oil	4,589,273	3,563,264
Stearic acid	1,438,463	692,858
Tallow, edible	19,967	80,166
Tallow, inedible	57,918	175,166
Vegetable soap stock	2,465,469	3,482,186

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Plastics

Dispersing Agents Used in Making Emulsified Plastic Compositions

(Continued from August 18 issue)

Methyloleylaminomethylsalicylic acid
Methyloleylaminosuccinic acid
Mineral oils, sulphonated
Miscibol
Monobutylnaphthalenesulphonic acid
Monocarboxylic acid of monocyclic terpene
Monopole oil
Monostearates
Montanimidoethyl ether hydrochloride
Morpholin
Morpholin oleicamidephosphate
Mulsor C
Mulsor V
Naccolene
Naccolsol
Nacconals
Nacon
Naphtha oil, sulphonated
Napthalenesulphonic acid
Naphthalides of oxyfatty acids
Naphthenic acid
Naphthenic acid derivatives and their salts
Naphthenic acid soaps
Nelgin
Neomerpin
Neopen
Noremulsol
Oat starch
Octyl alcohol
Octylguanidin hydrochloride
Oleic benzylglycolsulphonate
Oleic cyclohexylamide
Oleic-oxyethylmorpholin
Oleoglyceryl sulphate
Oleyldiethylethylenediamine
Oratol
Oxyalkylated aromatic sulphonic acids
Oxyalkylated hydroaromatic sulphonic acids
Oxyethylated fatty amines
Palmitic acid, sulphonated
Paracymene sulphamides
Paradiethyldodecylamine normal oxide
Paradimethylaminododecylbenzene normal oxide
Paradimethylaminolaurophenone normal oxide
Paradimethylaminostearophenone normal oxide
Paradimethyldodecylamine normal oxide
Paramulsol
Parentinol K
Pectins
Penetralene
Pentroline
Perminol
Perpentol
Pharmagel
Penanthrendisulphonic acid
Phenanthrenesulphonic acid
Plastocreme
Polyglycerol esters
Polyglycol esters
Polyrin
Polysaccharides
Potassium betatetrahydronaphthalenesulphonate
Potassium cetylcetylate
Potassium cetylpalmitate
Potassium eleostearicsulphonate
Potassium heptanapthalenesulphonate
Potassium hexanaphthalenesulphonate
Potassium hydroxide
Potassium isoallylnaphthalenesulphonate
Potassium isopropylchloronaphthalenesulphonate
Potassium linoleate
Potassium oleoabietate
Potassium palmitate
Potassium palmitolate
Potassium pentylnaphthalenesulphonate
Potassium propylnaphthalenesulphonate
Potassium resinate
Potassium ricinoleicsulphonate
Potassium stearate
Proflex
Prolaurin
Prolein
Prostearin
Propylelenglycol laurate
Propyleneglycol oleate
Propyleneglycol ricinoleate
Propyleneglycol stearate
Propylenenaphthalenesulphonic acid
Proteins
Pseudocumenesulphonic acid
Red oil
Ricinoleic acid
Ricinoleic acid sulphuric diester
Ricinoleic acid sulphuric monoester
Rosoap
Salts of uretanes containing carboxyl groups
Santomerse
Sapamine
Saponins
Semiethers of glycol fatty alcohols
Semiethers of polyglycol fatty alcohols
Sicapon
Sludge sulphonates
Sludge sulphonic acid
Soap
Soap, soda tallow
Soap, sludge, sulphonated
Soaps of tetravalent elements
Sodium alignate
Sodium alphatetrahydronaphthalenesulphonate
Sodium arabate
Sodium benzylanthranilate
Sodium betapara-Ndodecylphenoxyethylsulphate
Sodium betatetrahydronaphthalenesulphonate
Sodium butylnaphthalenesulphonate
Sodium 1:6-chloronaphthalenesulphonate
Sodium cetylcetylate
Sodium cetylcetylate S
Sodium cetylpalmitate L
Sodium cholate
Sodium cresylate
Sodium decylsulphonate
Sodium dihydrosterate
Sodium eleostearicsulphonate
Sodium galactonate
Sodium gallate
Sodium hydroxide
Sodium isopropylchloronaphthalenesulphonate
Sodium laurylethylsulphonate
Sodium linoleate
Sodium methylnaphthalenesulphonate
Sodium monobenzylsulphanilate
Sodium oleate
Sodium oleicethylsulphonate
Sodium oleostearicsulphonate
Sodium oleylmethyloxamate
Sodium palmitylcetylate S
Sodium pentanaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Sodium resinate
Sodium salicylate
Sodium salt of 4-cyclohexylmethylcyclohexylacetic acid
Sodium salt of laurylsulphuric acid esters and lauryl glucoside
Sodium salt of naphthalenesulphonic acid
Sodium salt of ricinoleicsulphuric ester and lauryl glucoside
Sodium stearate
Sodium tungstate
Sodium valerate
Solvoil
Soybean lecithin
Stannic-tetraphenyl
Starch
Sorbic acid isopropylbutylester
Sorbitol laurate
Sorbitol oleate
Sorbitol ricinoleate
Sorbitol stearate
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Stearamidin hydrochloride
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Tegin P
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Tetradecylguanidin hydrochloride
Tetrahydrobenzene
Tetrone S
Titanium tetrachloride
Tolyl 4-sulphophthalate
Tragacanth
Tragaya
Triamylamines
Triethanolamine
Triethanolamine laurate
Triethanolamine linoleate
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(To be continued)

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Drugs, Fine Chemicals

High Tension Activity Reported—Backlog of Drug Orders Grows —Quicksilver Prices Yield to Government Pressure —Bromine and Bromide Advance Not General

Business in the market for drugs and fine chemicals ran at fever heat throughout the past week. Orders, orders, and more orders flowed in an unending stream, only a small part of which could be booked for prompt delivery and the balance usually involved products for which a substantial backlog already existed. Prices were strong.

Export control prevailed under OPM rulings on alcohols and glycols, amyl acetate, citric acid, ethyl ether, bromine, bromides and bromates, bismuth salts and compounds, cadmium salts and compounds, castor oil—to sight some. Formaldehyde received an OPM price ceiling.

Higher quotations developed on codliver oil, unskimmed milk powder and sugar of milk—all of which are deeply involved in the defense activities and program of the nation. Lower quotations on resale citric acid, tartaric acid, and cream of tartar indicated growing saneness on the part of buyers and a dwindling of available resale stocks.

Quicksilver yielded a few dollars per flask and was definitely the object of attention and pressure on the part of the OPACS which office views present prices as too high, especially because the United States government purchases of 2,000 flasks per month from Mexico—the total Mexican output—is permitting domestic mines to be relieved for the present from their obligation to add to the government stock pile.

Two producers of bromine and bromides announced a 4c. advance in quotations on ammonia, potash and soda bromides but large manufacturers held aloof from the raise, awaiting clarification of general sales conditions.

Acid, Acetylsalicylic.—Good business at firm prices. No easing of production cost likely.

Acid, Boric.—Situation still rather tight. Many deliveries still apply on back orders. Gradual return to fairly normal market a reasonable prospect.

Acid, Citric. — Resellers reducing prices. Finding very narrow market for goods priced about four times over producers' schedule.

Acid, Tartaric.—Resellers drop price to 65c. per pound. Not too much business current. Situation still tight. Less resale material likely in future.

Alcohol. — Consumption reaching higher figures. Strong, virile undercurrent. Raw material strong. Outlook for constant rise in needs.

Aloin.—Late advance prevailing in strong market. No weakening likely in raw material. Demand excellent.

Amyl Acetate.—Firm position. Market for about everything produced. Outlook for continuation of active demand.

Ammonia Bromide.—Leading producers hold prices unchanged at 31c. Some Western makers advanced prices 4c. to 35c. per pound minimum. Clarification entire situation awaited.

Bromine. — Leading makers adhere to 25c. per pound, minimum. Two producers raised quotations to 28c., car lots; 30c., 1,000-pound lots, and 35c., single cases. Entire sales situation in bromine and bromides awaiting clarification.

Bismuth.—Metal and salts show firmness. Excellent activity.

Borax.—Deliveries gain moderately. Back order shipments gaining steadily. Situation still tight. Ultimate return to reasonably normal conditions in sight.

Cadmium Bromide.—Slight difference in sellers' views noted. Quotation on 100-pound lots range $1.65 to $1.66 per pound as to producer; five-pound lots, $1.84 to $1.91, as to maker.

Caffeine.—Resale business still present. Several inquiries noted last week. Producers maintain rugged, unchanged schedule. Resellers want $8 to $9 per pound.

Calcium Gluconate.—Firm and active. Fair supplies assure reasonably prompt despatch of new business.

Calcium Hypophosphite. — Demand above ordinary levels. Very firm market position.

Camphor. — Still strong. Nothing coming from Japan nor likely to come

Price Changes

Advanced

Codliver oil, $5 per bbl.
Milk powder, unskimmed, roller, 1c. per lb.
spray, ½c. per lb.
Sugar of milk, 2c. per lb.

Reduced

Citric acid, resale, 12c. per lb.
Cream of tartar, resale, 1c. per lb.
Quicksilver, $3 per flask.
Tartaric acid, resale, 9c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
222.2	221.8	213.3	204.3

Market news that may have developed after this report was sent to press will be found on page 4.

Quinine

Quinine and violence know each other well. Peruvians murdered the native who sold cinchona seed to Dutch East Indies planters. Dutch skill made the seed eventually yield the Dutch world control of cinchona bark and quinine.

World War scarcity led Japan to challenge the Dutch control. She shipped 1,000 ounces Japanese-made sulphate to the United States in 1918. By 1927 she had built this up to 636,096 ounces, exported to other nations, and shook Dutch world monopoly.

The challenge was met by a financial and diplomatic war that ended Japanese exports. Japan then sought freedom from Dutch control by cultivation projects in Formosa and Central America with only the shadow of success.

War in the Far East in 1941 finds Japan armed forces moving toward the Netherlands Indies, rich in cinchona, quinine, and petroleum. Seizure is believed to be on the Japanese war agenda.

The United States answer to the danger has been to lay in stocks of quinine and cinchona bark and to conserve its supplies by an OPM order establishing export license control.

The following are Department of Commerce import data:—

Quinine

	Ounces	
	1940-1941 17 Months	1939 12 Months
Imports	6,030,104	1,386,016
Monthly average	354,712	155,662

Cinchona Bark

	Pounds	
	1940-1941 17 Months	1939 12 Months
Imports	7,628,416	2,029,648
Monthly average	625,201	169,137

The current quinine sulphate price is 67c. per ounce plus a surcharge of 8½c.; total, 75½c. On August 25, 1939, it was 61c.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

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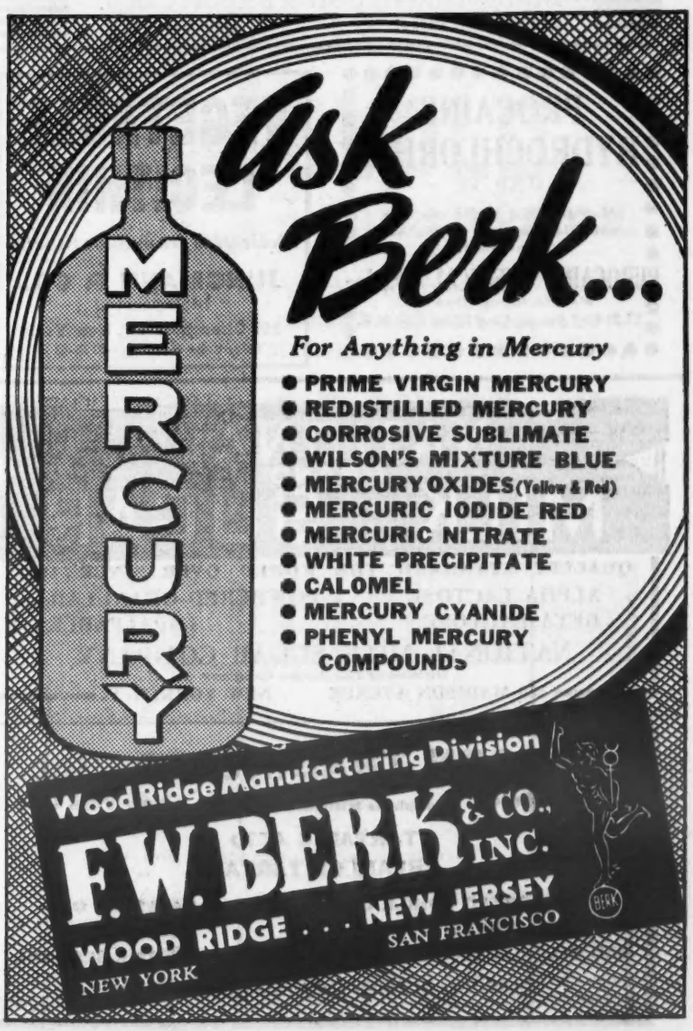

soon. Local stocks closely held. No anxious sellers. Market nominal. All prices subject to confirmation.

Castor Oil.—Producers report firm, unchanged prices. Seed lacking further change. New-crop offerings continue.

Chicago, Aug. 20.—Steady tone. Good volume of business features the castor-oil market. Ruling prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.; No. 3, extracted, returnable drums, car lots, 11⅝c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Chloral Hydrate.—Some gain in strength. Demand about normal. Production cost slants upward.

Chloroform.—Industrial consumers taking increased quantities. Very firm due to raw material position.

Cinchophen.—Excellent activity. Very firm undertones. Raw material costs factor in tendency toward stronger market.

Cocoa Butter.—Demand gains seasonally. Firmer prices. Stocks reduced some.

Codliver Oil.—U.S.P. oil higher at $85 to $90 per barrel. Stocks considerably reduced. More coming from Iceland. Outlook suggests strong, active market next Winter.

Coumarin.—No resale transactions reported. Believed goods would command some premium over strong quotations of makers.

Cream of Tartar.—Strong situation continues with producers. Resellers shade prices to 56c. per pound. Not much offered in secondhand quarters.

Creosote.—Shortage more or less certain to continue through active Winter season. Some quarters studying opportunity for new production.

Fish Liver Oils.—Demand strengthened and broadened. Elimination of imported Japanese frozen livers increased interest in oils. Strong situation in all respects.

San Francisco, Aug. 20.—Character of local market unsettled. Trade does not agree on prices. All divisions of A and D materials, especially in high potency A's scarce. Pinch seen in tuna oil; Japanese supplies not coming in.

Prices nominal. Sellers not quoting.

Soupfin Shark Liver Oil, Crude—High potencies, 100,000 to 150,000 USP units vitamin A per gram, quoted at 15c. per million units. 70,000 to 90,000 units, 14c.; 50,000 units, 11½c.; 25,000 to 40,000 units, 9½c. Lower potencies, upwards of 10,000 units, 8c.

Tuna Liver Oil, Crude—Ranging in potency, 20,000 USP units vitamin D per gram, 70c. per million units.

Ethyl Bromide.—Held at unchanged prices. Less competition than in major items.

Formaldehyde.—OPM sets price ceiling at 4¾c. to 9c. per pound, f.o.b., the five base points. Trade talking about a 6½c. level. Current price of producers minimum at 4c. to 4¼c. per pound in tanks. Elimination of resale material reasonable prospect.

Glycerin.—Refiners hold stabilized prices. Await future raw material developments. Holders of crude believe refiners will have to raise prices they will pay. Refiners cannot do so and still hold refined prices stabilized. Demand for all kinds running high.

Chicago, Aug. 20.—Demand for glycerin good. Offerings not very large. Ruling prices are:—Chemically pure, tanks, 14¼c. per pound; drums, car lots, 14½c.; drums, less than car lots, 15c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; drums, less than car lots, 14½c.

Menthol.—Unquestionably strong. Prices maintained despite no pressing spot demand. Stocks limited. Nothing coming from Japan. Domestic synthetic production totally unable to fill entire menthol needs of country.

Methanol.—Strong. Active. Demand exceeds prompt delivery supply to cover new orders. Production well engaged. Outlook for rising needs.

Mercurials.—Very steady. Outlook favors cheaper raw material due to Federal government pressure.

Milk Powder.—Producers' stocks at low ebb. Costs rising with expanding demand. Unskimmed milk powder unchanged. Unskimmed, roller, car lots, higher at 26½c. per pound; spray raised to 26½c.

Potash Bromide.—Two producers raised quotations 4c. per pound. Others retain former quotation of 27c. Current range, 27c. to 31c. per pound for granular in barrels, ruling as to maker. Clarification awaited.

Potash Guaiacolsulphonate.—Stocks moderate and not increasing. Active season will find supplies limited. Very firm.

Quicksilver.—Spot down to $192 to $195 per flask. Not all potential buyers get metal at inside figure. Reserved mainly for regular customers of non-speculative sellers. OPACS administrator suggests that those paying "the high current prices for his legitimate requirements of mercury should communicate with his office, giving full information as to the nature and amount of requirements; use to which his product ultimately will be put; stocks on hand; prices quoted to him for mercury, and prices quoted by him for his finished product."

San Francisco, Aug. 20.—Federal government taking total Mexican production, 2,000 flasks per month. OPACS says this relieves domestic mines from obligation to add to the government stock pile from its current production. OPACS considers present market prices too high in view of this diversion domestic output. Spot small lot sales made at lower price of $191.50 per flask. Some agents of mines intend to pay producers less for metal.

Quinine.—Strong market. Sellers selling carefully and cautiously. Determined to conserve United States stocks, to prevent speculation at expense of national welfare and health, and to conduct trade in full realization that Japanese aggression against Netherlands Indies would stop further quinine and bark shipments to United States.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce	Bullion	
	Nitrate. Cents.	New York. Cents.	London. Fence.
Saturday	24	34⅝	23 7/16
Monday	24	34⅝	23 7/16
Tuesday	24	34⅝	23 7/16
Wednesday	24	34⅝	23 7/16
Thursday	24	34⅝	23 7/16
Friday	24	34⅝	23 7/16

Soda Bromide.—Two makers raised minimum prices to 31c. per pound for granular in barrel packing. Other producers retain former quotation of 27c. Entire situation remains to be clarified.

Vick Buys McKelvy Co.

Vick Chemical Company has bought financial control of the Alfred D. McKelvy Company, maker of toiletries. Mr. McKelvy, originator of the 'Seaforth for Men' line, will remain as president. The new capital will be used for further expansion of McKelvy's markets.

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FISH LIVER OILS
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK, N. Y.

Formaldehyde Pegged By OPACS at 4¼ to 9½c.

—Continued from page 3

ing order is as follows, prices being f.o.b. New York; West Haverstraw, N. Y.; Garfield, N. J.; Perth Amboy, N. J.; or Tallant, Okla., freight equalized:—

	Cents per pound—Carload lots.	Less carload lots.
Tankcars (70,000 - 72,000 lbs.)	4.25	....
Tanktruck or wagon	....	4.50
Drums (475 lbs.)	5.40	5.90
Barrels (450 lbs.)	5.75	6.25
Kegs (225 lbs.)	6.75	7.25
Half-barrel (225 lbs.)	6.75	7.25
Barrels (200 lbs.)	....	7.25
Keg (125 lbs.)	7.00	7.50
Carboys (100 lbs.)	6.00	6.50
Kegs (90 lbs.)	7.50	8.00
Kegs (60 lbs.)	8.00	8.50
Carboys (45 lbs.)	7.00	7.50
Drums (45 lbs.)	....	8.50
Kegs (45 lbs.)	9.00	9.50

The maximum price which a purchaser may pay under this schedule for formaldehyde shipped to him from a producer's shipping point shall not exceed the maximum price set forth above plus freight to destination from New York:—West Haverstraw, N. Y.; Garfield, N. J.; Perth Amboy, N. J.; or Tallant, Okla., whichever is least.

In no case shall the price of any quantity of formaldehyde sold in containers holding 45 pounds or more, but not listed above, exceed the maximum price set forth above for a container holding the next greater quantity.

Sworn monthly reports must be made by all sellers amenable to the order.

Magnesium Project Includes Chlorine Plant

—Continued from page 3

posits of magnesite and brucite. A description of the large deposit of these minerals north of Tonopah, Nev., was given in OPD for March 10, this year.

The process which Basic Refractories will use in the ten production units in the Nevada project is one which preliminarily converts the magnesium minerals into anhydrous magnesium chloride. This is the process used by Magnesium Electron, Ltd., an English concern which is said to furnish some 80 percent of the British magnesium output. It differs fundamentally from the Hansgirg electrothermic process, developed in Austria, which will be used in the conversion of Nevada minerals by the Permanente Corporation in its plant in Los Gatos, Cal., which is expected to be in operation next month.

It is expected that power for the Basic Refractories operations will be got from Boulder Dam. Las Vegas, the site of the main plant, is near that place. The other two plants, one at Gabbs and one at Mead, are at the sites of the magnesium mineral and the salt deposits.

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W.H. Dow Succeeds Pardee As Chairman

—Continued from page 3

elected to the board, to fill vacancies caused by the resignation of James T. Pardee and G. E. Collings.

Dr. Dow was named chairman to fill a vacancy created by the resignation of James T. Pardee, who was elected emeritus chairman of the board. Mr. Collings was made emeritus vice-president. Leland I. Doan was reelected

Leland I. Doan

vice-president and was also named to the office of secretary, post relinquished by Earl W. Bennett, who was reelected vice-president and treasurer.

E. O. Barstow and C. J. Strosacker were elected vice-presidents and Charles Penhaligen was made auditor. Fred Brown was made assistant treasurer, relinquishing the position of assistant secretary. Other officers and directors were reelected.

Crown Can Names Swartz Assistant to President

Richard P. Swartz, vice-president of the Crown Can Company, Philadelphia, has been promoted to the special post of assistant to the president.

Phillips Studio.
R. P. Swartz

Mr. Swartz was associated with the Crown Cork & Seal Company, manufacturer of closures, for more than 20 years, during which time he rose from assistant foreman to manager of the company's extensive machine shops in Baltimore. Shortly after the organization of the Crown Can Company Mr. Swartz was transferred to its Philadelphia plant, where he subsequently was made vice-president in charge of production of all can manufacturing plants. He is a member of the American Society of Metals and the American Society of Tool Engineers.

Louis Pasteur Subject Of 'Priorities' Issue

Louis Pasteur is the subject of the leading article in the August number of *Priorities*, published by the Prior Chemical Corporation. Pasteur's studies in the field of bacteriology are outlined as is the revolutionary effect of his findings on medicine, surgery and general hygiene, on animal husbandry and the culture of silkworms and on the arts of the brewer and wine maker.

Spain's Cork Yield to Be Slim

Estimates of the yield from the 1941 stripping of cork in Spain, now under way in the Southern cork producing districts, vary from 35,000 to 70,000 tons, the Department of Commerce reports. It is believed that only a small portion of available cork will be stripped because of the prevailing food shortages which prevent the movement of labor to forests distant from villages, and because of the internal transportation difficulties.

Quicksilver Deposits In Oregon Surveyed

As a part of the investigation of domestic deposits of strategic minerals by the Geological Survey, United States Department of the Interior, Clyde P. Ross, has made a preliminary examination of some little-known and almost undeveloped quicksilver deposits in parts of the Steens and Pueblo Mountain ranges, Harney county, Oregon. The two ranges together form an ill-defined shallow crescent of northerly trend. The deposits are more than 100 miles by road from railroads north of them in Oregon and south of them in Nevada and are in a sparsely inhabited country devoted mainly to stock raising.

Although quicksilver was discovered in the Steens and Pueblo Mountains forty years ago, the deposits have been very little explored and probably have yielded less than 10 flasks of quicksilver. The lodes are of low grade on the whole, but they contain rich pockets, some of which probably were formed in the zone of weathering. The deposits have not yet been adequately sampled. The mineralized area is so large and many of the reefs are so extensive that, if keen demand for quicksilver continues, this region might repay more thorough investigation by mining men than it has yet received .

Messengill Names Jones Director of Research

The S. E. Messengill Company, pharmaceutical manufacturer, Bristol, Tenn., has appointed Dr. Herman D. Jones director of research. Dr. Jones was formerly association associate professor of organic and biochemistry at the Alabama Polytechnic Institute, Auburn, Ala. Production facilities of the company in the manufacture of liquids have been increased by the addition of 12,000 square feet of floor space. Included in this new construction are special conveyor tables for manufacturing and packaging, and an additional water still with a capacity of 100 gallons of distilled water hourly.

Standard Brands Breaks Groun For Plant in Dallas, Texas

Ground was broken August 13 for the new Fleischmann's Yeast plant of the Southwestern division of Standard Brands, Inc., in Dallas. Thomas L. Smith, president of Standard Brands, turned the first sod and made a short address in which he discussed his company's increased business in Texas and the Southwest that made the new plant necessary.

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Some botanical buyers have been surprised to find Penick able to supply items generally believed to be unobtainable. Many more buyers, consequently, have turned to Penick as their "primary source of supply for botanical raw materials."

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Colorado Insecticide Law Label Registration Explained

Relative to application for registration under the Colorado insecticide law, which has the requirement that the name and percentage of each active ingredient together with the total percentage of the inert ingredients be shown on the label, the National Association of Insecticide and Disinfectant Manufacturers received August 7 the following communication from W. C. Sweinhart, Director of Agriculture:—

We are accepting labels of insecticides bearing the statement "active ingredients 100%" in lieu of the statement of the names and percentages of each active ingredient and the total inert material. However, we are requiring that the application of registration for an insecticide, carry the name and percentage of each active ingredient with the total inert ingredients.

Insecticide, Disinfectant Trade Wage 30c Per Hour

The minimum wage scale for manufacturers of insecticides, disinfectants and allied sanitary chemical products is still 30 cents per hour under the wage and hour law, it was held in a ruling given the National Association of Insecticide and Disinfectant Manufacturers August 11. However, it was held that such products having drug applications, when and where the labor involved in their manufacture is separable, may bring certain departments of a plant under the 40-cent scale. But these products must be held out for medicinal uses.

Harshaw Chemical Buys Antimony Products Plant

Harshaw Chemical Company, Cleveland, has acquired the Los Angeles plant of the Menardi Metals Company, El Segundo, Calif., maker of antimony products and mercury. The plant will now be known as Menardi metals division of the Harshaw Chemical Company. Harold B. Menardi is to remain as manager.

Grady Touring Orient On Raw Supplies Survey

Henry F. Grady, personal representative of President Roosevelt, arrived in Manila August 20 to study the problem of obtaining increased supplies of strategic raw materials for American needs and of transporting them to the United States. He will remain there two weeks and then go to the Netherlands East Indies, Singapore, Bangkok, Burma, Ceylon, and possibly Chungking.

Velsicol Gets McCauley To Head Insecticide Div.

W. E. McCauley, for four years assistant entomologist with the State of Illinois Natural History Survey, has resigned to become manager of the insecticide division of the Velsicol Corporation, Chicago. Mr. McCauley has been in direct charge of the research and educational program of the Illinois Natural History Survey pertaining to household and industrial insect control.

W. E. McCauley

The Velsicol Corporation specializes in petroleum derivatives, and recently established its insecticide division to handle certain of its materials for use in insect control, particularly against livestock, household, and industrial pests. These synthetic products are made by a new process.

Rubber Shortage Discounted

St. Louis, Aug. 21, 1941

William Henry Stevens, noted British rubber technologist now in the United States to study American methods of application of various types of synthetic rubbers, particularly in aircraft construction, discounted in a statement today any fears of a critical shortage of natural rubber in this country or Great Britain. Mr. Stevens has been a consulting rubber chemist in England and is now associated with Monsanto Chemicals, Ltd., of London. He is visiting Monsanto Chemical Company in St. Louis and a number of leading rubber plants while in this country.

Revenue Returns Show Increase in July

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for July, 1941, compared with July, 1940, as follows:—

Taxes Collected

	July 1941.	July 1940.
Coconut, etc., oils processed.	$2,261,007.62	$1,432,751.36
Distilled spirits, domestic, excise tax $3 per gallon	35,271,057.03	28,544,642.34
Distilled spirits, imported, excise tax $3 per gallon	2,457,881.92	2,220,753.91
Gasoline	33,720,346.07	17,595,718.33
Lubricating oils.	4,107,325.77	2,272,096.62
Narcotics, including special taxes	160,726.29	175,754.35
Oleomargarin excise taxes	85,799.38	59,690.16
Oleomargarin special taxes	693,489.53	633,801.47
Toilet preparations	672,320.74	382,788.52
Transportation of oil by pipeline	1,159,203.05	1,690,853.55
Total internal revenue	$461,296,168.37	$383,836,262.23

Quantities Taxed

	July 1941.	July 1940.
Distilled spirits, domestic tax gallons	11,865,760	9,591,642
Distilled spirits, imported tax gallons	832,766	778,118
Distilled spirits, rectified, proof gallons.	4,031,290	3,506,293
Oleomargarin, colored, pounds	62,542	25,432
Oleomargarin, uncolored	31,241,752	22,775,264

Walter Holt, formerly salesmanager for the Charles H. Phillips Chemical Company, has been named salesmanager for Fair Trade Merchandising Associates, druggists' supplier in New York and New England.

U.S. Plans Construction Of Synthetic Rubber Unit

OPD Washington Bureau
August 20, 1941

Construction of synthetic rubber plants in the United States with Federal funds, to be operated by private companies, is under serious consideration by defense officials, it was revealed late last week by Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply. Appearing before the house banking and currency committee, which has been conducting hearings on the Administration's proposal for price control legislation, Mr. Henderson said that the proposed plants would be operated by the four oil and rubber companies which own the various processes for the manufacture of synthetic rubber.

Questioned by Rep. Wright Patman, of Texas, concerning reports that the government was considering the establishment of synthetic rubber plants at a cost of $200,000,000, Mr. Henderson said that he would rather not be bound by any particular sum, but added that the amount under consideration is a "substantial sum." The financial aid would be given from funds of subsidiaries of the Reconstruction Finance Corporation, he said.

'Witcarb' Discussed

A newly developed, technically pure precipitated calcium carbonate, known as 'Witcarb,' is discussed in the latest issue of *Witcombings*, house magazine of Wishnick-Tumpeer, Inc. Among the other interesting subjects in this issue of *Witcombings* are: "Ink and Paint Solvents Are Expected from Lactic Acid," "Paint Clubs Aid U. S. on Camouflage," "New Device Measures Color, Gloss," "Fast-Drying Domestic Oil Developed." Copies of *Witcombings* are available upon request at Wishnick-Tumpeer, Inc., 295 Madison avenue, New York, mentioning the REPORTER.

Botanical Drugs, Spices, and Gums

Botanical Demand Shows Seasonal Pickup — Gain in Inquiries and Sales Moderate — Finds Prices Strong — Sellers Reserved — Moderate Stocks Show High Cost

Demand for botanical drugs has begun to develop a definitely seasonal trend. Although the call during the Summer months was very good in the main, during the past few weeks some recession in demand had been noted and the market as a whole had been fairly quiet.

Last week inquiries showed gains in some quarters and the pickup in requests for prices accompanied some gain in actual sales. Buyers found prices iron-like in firmness. Sellers showed almost complete indifference to attempts to bid for goods under sellers' quoted prices. When the basic position of the market was considered, the total absence of normal reserves and the high cost at which existing supplies were obtained was more than sufficient reason for the very obvious strength with which dealers supported prices.

Balsams

Peru.—Strongly maintained in price. Restricted in supply. Hard to replace.

Tolu.—Fairly quiet but very firm on spot and forward.

Barks

Cascara Sagrada.—Not a trace of weakness. Limited collection. Strong prices. Sales volume expected to be excellent.

Cinchona.—Japanese position near Netherlands Indies makes future of bark shipments uncertain. Turns attention to South American supplies.

Orange Peel.—Haitian peel selling slowly. Stocks of all varieties conservative. Firm prices.

White Pine.—Collections secured at fairly high prices to collectors. Prices expected to gain strength. Active season ahead.

Beans

Tonka.—Numerous offerings received from Brazil. Not too much interest shown here. Steady prices.

Vanilla.—Local stocks moderate. In strong hands. Not too much remains in bonded warehouse. Demand ahead of supply. Prices nominal.

Berries

Juniper.—Little available. Country scoured for supplies. No foreign goods arriving.

Saw Palmetto.—Apparently steady. Limited demand.

Price Changes

Advanced

Canary seed, Morocco, ¼c. per lb.
Caraway seed, 17c. per lb.
Celery seed, Indian, 1c. per lb.
Coriander seed, ¼c. per lb.
Cumin seed, Persian, ¼c. per lb.
Cassia, Batavia, No. 1, regular, ½c. per lb.
shortstick, 1c. per lb.
broken, 2c. per lb.
Saigon, No. 1, 4-10-4, 3½c. per lb.
10-6-2, 2c. per lb.
All thin, 2c. per lb.
Ginger, Cochin, ¾c. per lb.
Poppy seed, Turkish, ¼c. per lb.

Reduced

Allspice, Mexican, ¼c. per lb.
Anise, star, 1c. per lb.
Cumin seed, Indian, ¼c. per lb.
Dill seed, ½c. per lb.
Fenugreek seed, ¼c. per lb.
Mace, Batavia, 1c. per lb.
Pepper, white, small berry Muntok, ¼c. per lb.
Pimento, Jamaica, 2c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
277.8	277.8	277.1	202.9

Market news that may have developed after this report was sent to press will be found on page 4.

Flowers

Arnica.—Few bulk lots remain. The item is virtually a museum piece.

Elder.—The domestic collection was limited. Small stocks create strong prices.

Pyrethrum.—Prices from Kenya Colony attractive. Plentiful stocks. Japanese situation totally without tonic effect on local market.

Gums

Arabic.—Market invariably reported strong. Advances maintained. Demand good. Future arrival of stocks highly uncertain.

Camphor.—Sellers still slow sellers. Domestic production well engaged. Nothing forthcoming from Japan. Prices virtually nominal.

Tragacanth.—Selling at very firm prices. Transport of further stocks

Psyllium Seed

Psyllium seed has been active as a flea since the war began. Also known as fleaseed, the Indian article has advanced 100 percent since August 25, 1939. French seed has risen 500 percent. Translated into cents, Indian seed was 5 cents per pound and is now 11 cents; French seed was 9 cents and is now 55 cents if available. War has ended French exports.

India has plenty of seed and so long as ships reach here from India, the fleaseed enthusiast stands a good chance of getting his spot of intestinal lubricant.

Even before the war India topped France as a shipper to the United States. The 1939 export from India was 1,455,482 pounds and the French export was but 728,260 pounds—total, 2,183,742 pounds, by Department of Commerce accounting. Quite a dwindle from the 1931 total importation of 4,846,477 pounds.

Figures for the January-May period of 1941 read 1,126,730 pounds. For January-May, 1939, the total was 852,056 pounds.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	190	1,761
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	10	1,761
Celery	35	1,484
Coriander	16,396	31,549
Cumin	3,101	12,599
Digitalis leaves (cases)	...	...
Dill	3,118	16,623
Fennel	196	2,028
Henbane leaves (bales)	150	170
Mustard	...	9,449
Poppy	130	3,153
Sage leaves (bales)	988	5,040
Sesame	3,124	6,100
Stramonium	...	...
Thyme	915	1,924

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
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PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
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SAVIN OIL
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Shreds, Cut and Powder
ALOES, Curacao and Cape
ALTHEA ROOT
BALSAM COPAIBA
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
BUCHU LEAVES
COCILLANA BARK
CORIANDER OIL U.S.P.
FENNEL SEED, Indian
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR, Japanese
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
JUNIPER BERRIES
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Herbs and Leaves

Belladonna. — Ready market for every pound grown in this country. Strong prices.

Henbane.—Purely nominal market. Last sales around $3.40. Starvation supply likely to continue.

Marjoram.—All prices firmly held.

Sage.—Most sage grown here now engaged. No market surplus likely.

Miscellaneous

Grains of Paradise.—Reduced to 34c. to 35c. per pound. Few buyers found at any price.

Guarana.—More inquiry. Firmer prices. No surplus.

Kola Nuts.—Needs supplied with some delay most of the time. Very firm.

Roots

Arrow.—Prices eased. Barrels, 9¾c. to 10¼c. per pound as to quantity. Bags, 10¼c. to 10½c. Sale in bags being discouraged.

Cube.—Firm to strong. Import cost gaining. Demand excellent.

Derris.—Replacement cost tending higher. All conditions combine to force cost up. Local demand excellent.

Gentian.—All sellers show strong views. Replacement of current supply a problem. Plenty has been bought. Arrival uncertain.

Seeds

Anise.—Arrival from China eases market to 18c. to 19c. per pound.

Canary.—Higher at 5¾c. to 6c. per pound.

Caraway.—Up to nominal price of $1 to $1.05 per pound.

Celery.—Indian rises to 65c. to 66c. per pound.

Coriander.—Advanced to 10¼c. to 10¾c. per pound.

Cumin.—Persian higher at 18¼c. to 18¾c. per pound. Indian lower to 18c. to 18½c.

Dill.—More offerings bring shade lower price at 8¼c. to 8¾c.

Fenugreek. — Fractional decline to 6¾c. to 7¼c. per pound.

Poppy.—Turkish higher at 33c. to 33½c. per pound. Little Dutch seed held.

Spices

Cassia.—Batavia and Saigon spice up sharply. Batavia, No. 1 regular, 21c. to 21½c. per pound; shortstick, 19c. to 19½c. Broken, 18c. to 18½c. Saigon, No. 1, 4-10-4, 36c. to 37c.; 10-6-2, 36c. to 37c. All thin, 38c. to 39c.

Ginger.—Cochin advanced to 20¼c. to 29¾c. per pound. Jamaica very strong but unchanged.

Mace.—Batavia shaded to 29c. to 30c. per pound.

Pepper.—Small berry white Muntok eased back to 10½c. to 11c. per pound. Red peppers strong. Black firm. Demand good.

Trading in black pepper futures on the New York Produce Exchange from August 18 to August 22, inclusive, comprised 238 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	6.25	6.08	6.10@6.20
July	6.39	6.27	6.25@6.29
September	6.05	5.80	5.80@5.89
December	6.15	5.95	5.98@6.01

Pimento.—Down to 20c. to 20½c. per pound. Reflects cheapness of forward positions. Mexican allspice down to 12¾c. to 13¼c., spot. August-September, 12½c. to 13c.

National Asbestos Company is the firm name under which John C. Bach has obtained a certificate to conduct business at 346 South La Brea avenue, Los Angeles, Calif.

Annand Made Chief Of U.S. Entomology

—Continued from page 5

degree in 1920 from Colorado Agricultural College, where he specialized in entomology. He received an M.A. degree in entomology from Leland Stanford University in 1922, and a Ph.D. in zoology and botany from Stanford in 1928.

Mr. Hoyt, who was an assistant chief of the bureau, was born in San Diego, Calif., September 16, 1888. He graduated with the B.S. degree from Pomona College in 1910. He held various positions under the State Department of Agriculture of California until 1931, in which year he became assistant chief of the Plant Quarantine and Control Administration, of the United States Department of Agriculture.

Prentiss Milling Plant Fire Fails to Halt Shipments

Fire in the milling plant of R. J. Prentiss & Co., botanical drug merchant on August 12 resulted in damage in the neighborhood of $10,000. Origin of the blaze was uncertain but was believed to have started in a mill in the insecticide department of the company, possibly the result of metal or some other foreign matter having gotten into the machinery.

The department was in full operation the next day and the company expects to make all contract and other deliveries promptly and without loss of time to its customers. The plant is well equipped for emergency operations and full facilities have been brought into play.

Hopkins Re-Elected Head Of Calif. Growers' Ass'n

Edward Irving Hopkins, vice-president of J. L. Hopkins & Co., importer, exporter and miller of crude drugs, this city, has been re-elected president of the Los Gatos-Campbell section of the California Prune and Apricot Association. Mr. Hopkins, who is now visiting the main office of the Hopkins organization, is in active charge of the San Francisco office of the Hopkins firm.

Neuberg Chemical Adds J.J. Rusk to Sales Department

John J. Rusk was added recently to the sales department of the Neuberg Chemical Corporation, this city. Mr. Rusk was formerly with the General Chemical Company serving in the sales and production department for seven years.

Mr. Rusk matriculated at Newark University, majoring in chemistry. In 1922 he entered the employ of the Erie Railroad in the engineering department serving until 1932 when he joined the Rails Company.

Cinchona Plant Nursery in Mexico

A nursery for Cinchona plants has been started in the State of Chiapas near Tapachula, according to the Department of Commerce. Transplanting of seedlings began in April of this year; it was hoped that twenty to twenty-five thousand would be transplanted into plantation form. In addition, there are approximately 100,000 young seedlings about ready for first transplanting. The plants, native to the region and already growing when the nursery was begun, appear to be mainly bybrids of Cinchona succurubra and Cinchona officinales. When the full program is reached, possibly 300,000 seedlings can be started annually and 50,000 grafted trees. It is hoped that future plantings can be made on the Pacific slope of Chiapas in the highlands at an elevation of three to six thousand feet.

Anchor Paint & Varnish Corporation, this city, has reduced its capital from $100,000 to $25,000.

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

Bis-(2:4-dimethylbenzoxazole-1)-betaethylcarbocyanin Perchlorate

Photographic

Sensitizer (U.S. 2072908) in—
Photographic emulsions

3-Chlor-10-diethylaminobutyl-aminoacridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to Brit. 363392) as—
New pharmaceutical

Dibetanaphthylparaphenyl-enediamine, Symmetrical

Chemical

Organic chemical available for experimental synthesis
Organic chemical offering following properties—
Grayish-white color
Insoluble in water
Melting point, 230° to 235° C.
Moderately soluble in chloroform, acetone, carbon bisulphide, benzene, gasoline
Nontoxic
Specific gravity, 1.20
Very faint odor

Rubber

Antioxidant (all-purposes) in making—
Acid-cured stocks
Bands
Bathing caps
Latex compounds
Proofing
Pure gum stocks
Stocks containing factice
Thread
Preventive of—
Deterioration caused by copper

Diethylaminomethylcellulose

Adhesives

Starting point (Brit. 489668) in making—
Waterproof adhesives

Bottling

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (said to improve the anchorage thereto of printing inks and lacquers)

Cellulose Products

Starting point (Brit. 489668) in forming—
Bristles
Filaments
Films which are clear, tough and pliable
Self-supporting films

Chemical

Starting point (Brit. 489668) in making—
Addition salts with acids

Furniture

Starting point (Brit. 489668) in making—
Waterproof adhesives for veneering purposes

Miscellaneous

Ingredient (Brit. 489668) of—
Coating compositions for various uses

Rubber

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for rayon tire cord (used to improve its adhesion to rubber)

Mono-octyl Fumarate

Lubricant

Claimed (Brit. 500222) as—
Cutting oil base
High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

Paramethylhydratropic Aldehyde

Cosmetic

Odorant in preparations of various sorts

Perfume

Addition agent for—
Hyacinth odors
Jacinth odors
Lilac odors
Lily of the valley odors

Soap

Odorant in—
Toilet soaps

Phenylethyl Isobutyrate

Cosmetic

Odorant in preparations of various sorts

Perfume

Imparter of—
Fruity note to rose odors

Soap

Odorant in—
Toilet soaps

Diethylpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, boring, drilling, cutting, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

Dihydroxytridecylic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Rubber

(Continued)

Chemical

(Continued from August 18 issue)

Construction material for—
Acid hose
Air, steam and water hose
Aprons, gloves, and other protective clothing
Bottles
Buckets
Dippers
Dipping baskets
Fittings
Funnels
Gaskets
Measures
Packing
Pails
Pipe
Pumps
Rotary filter parts
Tanks
Valves
Lining or covering agent for—
Agitators
Air-washing units
Centrifugal baskets
Chutes
Crystalizers
Drums (shipping)
Fittings
Moving parts of equipment and apparatus
Pipe
Processing equipment
Pumps and pump parts
Storage equipment
Tanks
Tankcars
Transporting equipment
Thickeners
Valves
(For other applications see "Mechanical," "Clothing," and "Miscellaneous")

Clothing

Construction material for—
Aprons
Athletic shoes
Boot and shoe uppers
Chemical and dye workers protective clothing
Diving suits
Electrical and utility corporation worker's clothing
Gloves
Hospital sheeting
Infants' wear
Raincoats
Soles and heels
Waterproof clothing

Dye

(Uses and applications similar to those given under "Chemical")

Electrical

Construction material for—
Battery parts
Devices
Fan and blower blades, wheels, and parts
Motor and equipment parts
Side plates and other parts
Covering and lining agent for—
Batteries
Devices
Fan and blower blades, wheels, and parts
Side plates and other parts
Damping agent for—
Sounds
Vibrations
Insulating material for—
Cable, cord, wire, connections and the like
Lampguards
Motors, generators, and other equipment
Panels, fixtures, devices and the like
Plating racks
Tools, such as pliers, nippers, screwdrivers, drills, and the like
Various other uses
Waterproofing agent for—
Cable, wire, cords, connections, and the like
Devices
Equipment
Fixtures
Motors

Highway Construction

Construction material for—
Paving blocks

Leather

Lining agent for—
Extract equipment
Tanning plant equipment
(See also "Chemical"; many of the applications there listed apply equally to this industry)

Mechanical

Construction material for—
Conveyor belts
Elevator belts
Gaskets
Milk machine tubing
Pipes and fittings (acid resistant)
Power transmission belts
Pumps
Valves
V belts
Lining or covering agent for—
Air-drill hose
Conveyor pins
Conveyor buckets
Dishwashing racks
Drums
Fittings
Fire hose
Oil-drilling and loading hose
Paint, spray, welding, and sandblast hose
Pipe
Perforated metal
Sand and gravel chutes
Screens
Steam hose
Tanks
Pumps
Tankcars
Valves

Metallurgical

Lining agent for—
Galvanizing equipment
Metal-plating and polishing equipment
Pickling equipment
(See also "Chemical"; many of the applications there listed apply equally to the three above operations; also see "Mechanical")

Mining

Abrasion-resistant lining for—
Chutes
Conveyor buckets
Screens
(See also "Mechanical")

Miscellaneous

Construction material for—
Bands
Bathmats
Bottles
Buckets
Balloon fabric
Dippers
Dipping baskets
Fountain pens
Fruitjar rings
Funnels
Garden hose
Gasmasks
Kneeling mats
Life preservers
Mattresses
Measures
Pails
Pencil erasers
Rubber thread
Seat pads
Sink stoppers
Stamp and pads
Toys
Typewriter pads
Waterproofing
Damping agent for—
Sound
Vibration

Paint

(See "Chemical")

Paper

Coating agent for—
Paper
(See also "Chemical" and "Mechanical"; many of the applications there listed apply equally to this industry)

Plumbing and Pipefitting

Construction material for—
Fittings
Gaskets
Packing
Pipe
Tanks
Valves
Washers
Lining material for—
Fittings
Gaskets
Packing
Pipe
Tanks
Valves
Washers

Rayon

Construction material for—
Spinnerette tubes
Bobbins
(See also "Chemical"; many of the applications there listed apply equally to this industry)

Sand and Gravel

(For uses and applications see various items under "Mechanical")

Sanitation

Lining agent for—
Chemical sewage precipitation plant equipment
(See also "Chemical"; many of the applications there listed apply to the above process)

Textile

Covering agent for—
Bleach rods
Dyesticks
Fabrics
Impregnating agent for—
Fabrics
(See also "Chemical"; many of the applications there listed apply equally to this industry)

Therapeutic

Construction material in making—
Hospital and drug store sundry goods, such as nipples, douche bags, hot-water bottles, spray devices, pans, gloves, pillows, sheets, sanitary goods, heating pads, cushions, syringes, ice bags, catheters, urinals, trusses, supporters, and innumerable other articles of like usefulness

Zinc Diethyldithiocarbamate

Rubber

Accelerator in vulcanizing—
Dipped goods
Latex compounds
Sponge cushions

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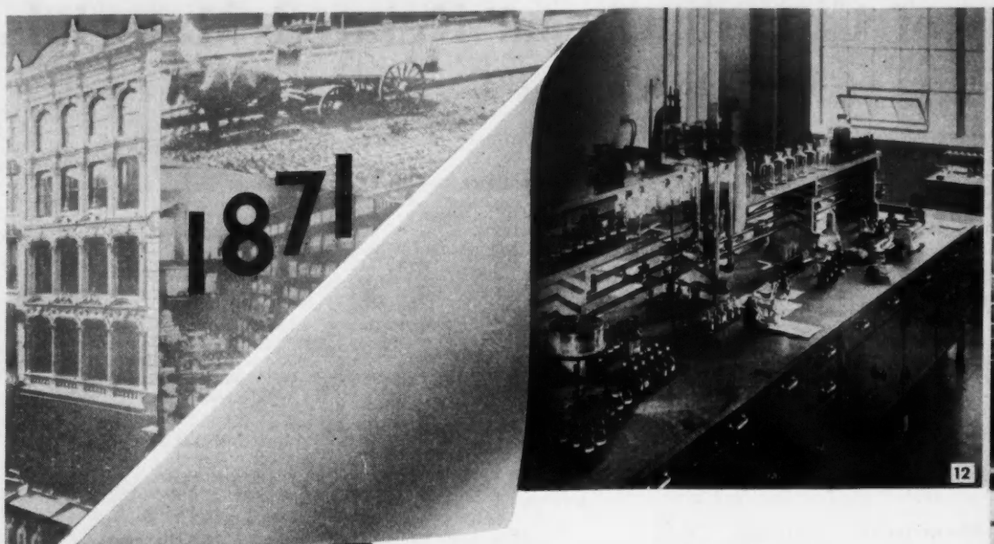


SEVENTY YEARS of SERVICE

SEVENTY years ago this month, in modest quarters on Cedar Street, the founders of Fritzsche Brothers made proud note of their first transactions in essential oils. We can well imagine how, after months of planning and anticipation, every facility of this new enterprise bent to the task of rendering utmost service to these, its first customers.

Nor did this earliest impulse to serve its trade to the best of its capacity ever relax. Succeeding years and accomplishments prove this. The company gathered more and more accounts, enlarged its facilities and as its position in the industry became more secure, its influence for better and higher standards grew accordingly.

Thus, today, in the fusion of new ideas, modern efficiency and sound traditions of its past which the present management has liberally fostered, Fritzsche service brings to its customers a measure of value far beyond the high hopes of its most optimistic founder.

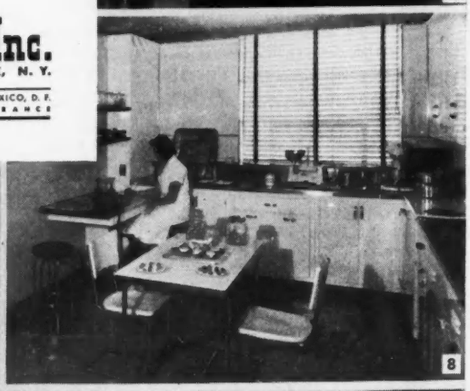
FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS

BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND GRASSE (M.A.) FRANCE



Upper left hand corner: Among the scenes of Fritzsche Brothers' earliest activities. Numbered photos show some of the company's present facilities, as follows: 1—Part of Soap Perfume Laboratory; 2—Packaging of flavors; 3—Flavor Research Laboratory; 4—Subdivision Laboratory; 5—Packing room; 6—Storage room for bottles, containers, etc.; 7—Truck pit; 8—Flavor Testing Laboratory; 9—Compounding department; 10—Section of East Laboratory devoted to general research and control; 11—Drum rack providing storage for over 500 drums; 12—Part of Perfumery Research Laboratory.

Essential Oils, Aromatic Chemicals

Lignin Vanillin Advanced — Ethyl Vanillin Down — Cassia Still Rising—Citronella Lower for Shipment—Cinnamon Leaf Oil Strong Abroad—Aromatics Strong

Strong and swiftly moving currents swept the essential oil and aromatic chemical market into still stronger position, if stronger position be possible. For weeks past, both market groups had been displaying astounding and astonishing strength originating in a high volume of orders and inability of dealers and producers to increase their stocks beyond moderate limits, in the case of aromatics, and, almost total inability appreciably to improve the supplies of natural products.

Active during the past week were canaga, cassia, cinnamon leaf, geranium, anise, citronella, lemon, lime, clove and eucalyptus. Special strength was noted in hydroxycitronellal, eugenol, eucalyptol, anethol, anisic aldehyde, linalyl acetate, musk, cinnamic alcohol, geraniol, methyl salicylate, methyl cinnamate, cinnamic alcohol—in a market in which practically every item was noteable for strength of price, limitation of stocks, and rising cost of manufacture. Vanillin made from lignin was something of a surprise. It was recently reduced 35c. per pound. Last week it was advanced 20c. and the schedule on 25-pound, 5-pound, and 1-pound tins was made applicable to any quantity.

Essential Oils

Almond.—Resellers advancing asking prices on artificial item. Makers hold unchanged values. Report being oversold.

Amber.—Still none available in open market.

Anise.—Very strong. Sellers reserved. Line to primary market may cut any time and suddenly.

Apricot.—Very firm. Production moderate. Mainly from domestic kernels. Good demand.

Avocado.—Firm at recent advance. Selling in fair volume.

Bay.—More inquiry in very steady market.

Bergamot.—Interest centered on artificial oil. Strong prices according to quality.

Price Changes

Advanced

Cananga native, 25c. per lb.
Cananga rectified, 25c. per lb.
Cassia, 10c. per lb.
Cinnamon, leaf oil, 15c. per lb.
Geranium, Algerian, $1 per lb.
Bourbon, $1 per lb.
Vanillin, ex lignin, 20c. per lb.

Reduced

Ethyl vanillin, $1.25 per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
219.0	216.1	210.1	126.4

Market news that may have developed after this report was sent to press will be found on page 4.

Sassafras Oil

That stirring of hill folk in Tennessee, the Carolinas, and adjacent areas may be the awakening of the domestic natural sassafras oil industry.

Artificial sassafras oil made from Japanese camphor oil, probably in Germany, appeared here in about 1891. It sold at 33c. per pound against domestic natural oil selling at 39c.

Large scale United States manufacture of artificial oil followed and proved a soporific that put the natural oil industry into the semi-comatose state from which it may now be awakening.

Originally, Japan supplied the camphor oil and Americans made the artificial product. A few years ago, Japan began to make the artificial sassafras and, seeking monopoly, curtailed exports of raw material to the American industry.

Between 1936 and 1939 camphor oil imports dropped 818,515 pounds, by Department of Commerce data. Imports of Japanese synthetic sassafras increased 472,777 pounds.

Rupture of Japanese-United States commercial relations has stopped all exports from Nippon. This threatens eventually to eliminate both domestic and Japanese artificial sassafras oil and to make American consumers turn to the domestic natural oil industry. Hence, the refurbishing of sassafras oil stills in the Southern hills.

Artificial oil is currently quoted at $1 to $1.30 per pound with a little noted at 78c. The last price before the war was 41c. Domestic natural oil is now $1.05 to $1.20, against 90c. on August 25, 1939.

Bois de Rose.—Demand shows market but moderately stocked. Prices strong.

Cajeput.—Strong undertone. Stocks in low state. Replacements difficult and uncertain even at high prices.

Camphor.—Japanese market cut off completely. Spot purely nominal.

Cananga.—Higher. Native, $9.50 to $10 per pound. Rectified, $10.25 to $11. About nominal. No real distribution of stock. Replacement uncertain.

Cassia.—Advanced to $4.35 to $4.50 per pound in strong, understocked market. Relations with Japan may end China shipments any time, if not sooner.

Cedarleaf.—Demand less active. Prices no easier.

Cedarwood.—Lessened demand in keeping with approach of lower consumption period. Still very firm.

Celery.—Poorly distributed supply held at strong prices.

Citronella.—Cables show lower prices on both varieties. Goods getting in as deck cargo. Local market very strong still. Likely to ease.

Clove.—Makers find raw material rising under strong pressure. Oil strengthened materially.

Coriander.—Not active but very strong. Stocks extremely small.

Cumin.—Few and very small lots available. Prices practically nominal.

Dill.—Much firmer as demand gathers force. Active season will find stocks conservative and sellers' price views strong.

Geranium.—Market nominal at $16 per pound. Very strong. Few able to quote and sell.

Lavender.—Strong and scarce. Stocks small enough to warrant keeping under lock and key. No general trading possible.

Lemon.—Strong market. Active trading. Deliveries reasonably prompt. No surplus.

Lemongrass.—Recent arrival well sold ahead. Two more boats afloat may ease supply situation. Prices strong at source.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Palmarosa. — Shipment quotations show strength. Some chance of getting goods through. Local prices very firm. Good call.

Aromatic Chemicals

Ethyl Vanillin. — One producer recently revised prices downward. Others did not. Market:—25-pound lots, $4.75 to $6 per pound; 5-pound lots, $4.80 to $6.05; 1-pound lots, $4.95 to $6.15.

Eugenol.—Gaining strength. Resellers advancing prices. Costs rising steadily.

Eucalyptol.—Strengthening steadily with resellers raising prices. Producers greatly reserved.

Extreme Shortage of GENUINE FRENCH ROSEWATER highlights the many advantages of
ROSESOL MM&R
A water soluble concentrate (1 oz. makes a gallon of Rosewater higher in quality and lower in cost than Rosewater U. S. P.)
FEATURES: Rosesol MM&R is a 47% alcohol solution containing definite quantities of Otto of Rose and isolates. It is not subject to bacteriological spoilage. Will not freeze. Dissolves clearly without filtration.
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Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors ... Since 1885
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CHICAGO: 221 North La Salle Street
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto

MYSORE GOVERNMENT SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
W. J. BUSH & CO.
INCORPORATED
ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

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Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

Geraniol.—Firm to firmer. Gaining strength constantly. Raw material costs lowered slightly.

Heliotropine.—Production well engaged. Most holders thoroughly reserved. Stocks moderate. Increased output difficult.

Hydroxycitronellal.—Strong. Scarce. Production sold ahead. Deliveries delayed. Most quotations nominal. Many do not quote.

Linalool.—Active. Firm in undertone. In moderate supply. No competition.

Linalyl Acetate.—In excellent request. Few quoting at all. Most prices about nominal. Supplies engaged ahead.

Methyl Acetophenone.—Steady demand finds stocks conservative. No lots freely and readily obtainable. Holders reserved.

Methyl Cinnamate. — Undertones strengthen steadily. Limited quantities on open market. Backlog of orders substantial. Prices firm to stronger.

Methylhexyl Ketone. — Business slightly less active. Market no easier. Firm undertones.

Methylnaphthyl Ketone. — Very steady. In good request. Prices firm to firmer. Demand tends to gain.

Methyl Salicylate.—Very firm. Raw material strong and well engaged. Demand active.

Musk.—Domestic production strained to meet home requirements. Sellers reserved. Dealer stocks conservative.

Phenylethyl Alcohol. — Limited stocks. Strong prices. Little competition.

Rhodinol.—Genuine oil produced from Bourbon geranium bringing around $30 per pound when obtainable.

Safrol.—Scarce and practically nominal. Raw material situation turns market to tight position.

Terpineol.—Limited stocks. Sellers reserved. Prices strong and tending higher.

Vanillin.—Lignin vanillin advanced 20c. per pound. Offered in any quantity as follows:—25-pound tins, $2.35 per pound; 5-pound tins, $2.45; 1-pound tins, $2.55.

Bristol-Myers Company will erect a five-story addition to its Hillside, N. J., plant.

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Oleomargarin Identity Standard to Be Enforced

OPD Washington Bureau
August 18, 1941

The Food and Drug Administration will enforce the recently promulgated definition and standard of identity for oleomargarin when it becomes effective on September 6. Federal Security Administrator P. V. McNutt said that the routine action of his agency in announcing the definition and standard under the Federal food, drug, and cosmetic act should create no apprehension in the dairy industry, inasmuch as no new product has been legalized to be sold in competition with butter after September 6.

Magnus Accompanies Mayor To Tobacco Festival

Mayor Fiorello LaGuardia, Major Reed Landis, aide to the mayor, and Percy C. Magnus, of Magnus, Mabee & Reynard, Inc., flew to the annual tobacco festival, August 22, in Wilson, N. C., as guests of Paul B. Bissette, president-elect of the North Carolina Pharmaceutical Association and head of the Bissette drug chain.

Mayor LaGuardia was the principal guest speaker at the luncheon. Later Mr. Magnus, and other guests, attended the governor's dinner and the colorful coronation ball.

Chicago Drug and Perfumery Soap Ass'n Members Golf

The golf auxiliary of the Chicago Drug and Chemical Association and Chicago Perfumery Soap and Extract Association held its fourth tournament of the season at Medinah Country Club August 12. Tom Singleton and Dave Olin were the only ones close to par, with 75 and 77, respectively, each with a handicap of five and earned first and second prize in class A. Other winners were Bruce Puffer and Tom Sayers in this class. Class B prizes went to Stan Lind, Ray Morris, H. Edmon and Paul Gibney. The class C winners were Joe Gauer, Dudley Lum, Frank Topper and Dean Hildebrandt. Guest prizes were carried away by H. E. Rosensteel, R. R. Burtner, H. H. Hoppock and A. Sewell.

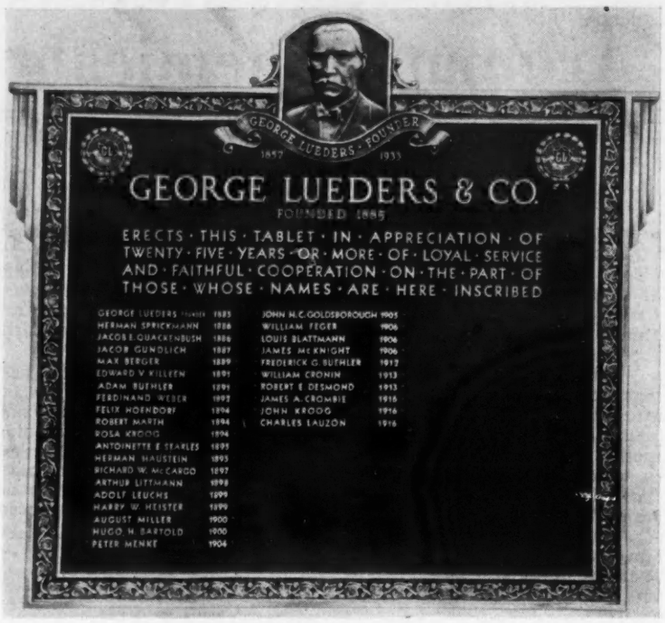
Virginia Dare to Build $150,000 Plant in N.J.

The Virginia Dare Extract Company, Brooklyn, will build a $150,000 factory and office building at Linden, N. J. The company has purchased an eleven-acre tract of land in that city for the purpose.

Socony-Vacuum Revises Draftees' Benefits System

Following Congressional action extending the training period of draftees to two and one-half years, the Socony-Vacuum Oil Company last week announced that benefit policies with respect to drafted employees had been revised to cover the entire thirty months.

Lueders & Co. Unveils Bronze Service Tablet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GEORGE LUEDERS & CO.
FOUNDED 1885
ERECTS · THIS · TABLET · IN · APPRECIATION · OF
TWENTY · FIVE · YEARS · OR · MORE · OF · LOYAL · SERVICE
AND · FAITHFUL · COOPERATION · ON · THE · PART · OF
THOSE · WHOSE · NAMES · ARE · HERE · INSCRIBED
GEORGE LUEDERS 1885
HERMAN SPRICKMANN 1886
JACOB E. QUACKENBUSH 1886
JACOB GUNDLICH 1887
MAX BERGER 1889
EDWARD V. KILLEEN 1891
ADAM BUEHLER 1891
FERDINAND WEBER 1892
FELIX HOENDORF 1894
ROBERT MARTH 1894
ROSA KROOG 1894
ANTOINETTE E. STARLES 1895
HERMAN HAUSTEIN 1895
RICHARD W. McCARDO 1897
ARTHUR LITTMANN 1898
ADOLF LEUCHS 1899
HARRY W. HEISTER 1899
AUGUST MILLER 1900
HUGO H. BARTOLD 1900
PETER MENKE 1904
JOHN H.C. GOLDSBOROUGH 1905
WILLIAM FEGER 1906
LOUIS BLATTMANN 1906
JAMES McKNIGHT 1906
FREDERICK G. BUEHLER 1912
WILLIAM CRONIN 1913
ROBERT E. DESMOND 1913
JAMES A. CROMBIE 1915
JOHN KROOG 1916
CHARLES LAUZON 1916

A bronze tablet containing thirty names of employees, present and past, whose service with George Lueders & Co., essential oils, this city, totals twenty-five years or more, has been unveiled in the reception lobby of the company.

Beginning with the late George Lueders, founder of the business in 1885, the names appear on the tablet in chronological order dated as to the year in which service began.

Opposite the names of Edward V. Killeen, and the late Jacob Gundlich appear gold stars indicating a service of fifty years. Mr. Killeen, formerly president of the company, still is actively associated in its affairs.

Thirteen of the total number of employees listed are in active service today. They are: Killeen, Weber, Miss Rosa Kroog, Littmann, Menke, Feger, McKnight, Buehler, Cronin, Desmond, Crombie, John Kroog, and Lauzon.

Obituaries

Karl Eilers

Karl Eilers, who retired as vice-president of the American Smelting & Refining Company in 1920, died in Sea Cliff, L. I., August 18. He was seventy-five years of age.

Upon completing his studies at the United School of Mines of Columbia University, Mr. Eilers joined his father in mining projects in 1892. In 1900 he built a lead-smelting plant for the American Smelting & Refining Company in Utah, remaining with the firm until 1920, when he resigned to become consulting metallurgist. Upon his retirement from the mining field in 1927, he became president of the Lenox Hill Hospital, and in the same year was named president of the Associated Hospital Service of New York.

Surviving are his wife, two sons and a daughter.

Dr. Frank B. Kirby

Dr. Frank B. Kirby, director of education for Abbott Laboratories, pharmaceutical manufacturer, Chicago, died in the home of his daughter in Scarsdale, N. Y., August 20. He was sixty-three years of age.

Born in Ontario, Canada, Dr. Kirby was educated at the Central High School of Philadelphia, the Philadelphia College of Pharmacy and the Jefferson Medical College. He practiced medicine in Philadelphia from 1902 to 1909, the year in which he joined Abbott Laboratories.

Surviving are his wife and a daughter, Mrs. Erling C. Olsen.

Benjamin Lowenstein

Benjamin Lowenstein, founder of the Nassau Smelting & Refining Company, and the Chicago Bearing Metal Company, which latter organization was merged with the National Lead Company in 1927, died in Jackson, N. H., where he had gone to recuperate from an illness. He was seventy-eight years of age. He retired in 1931 after the Nassau Smelting and another of his companies, the Tottenville Copper Company, were merged with the Western Electric Company.

Surviving are his wife, two daughters and a son.

Prof. Paul Sabatier

Prof. Paul Sabatier, dean of the science faculty at the University of Toulouse, France, died last week. He was eighty-seven years of age. Winner of the Nobel Prize in chemistry in 1912, Prof. Sabatier was credited with the experiments which led to the production of gasoline synthetically. He was also honored by the American Chemical Society in 1926 and was the recipient of the Franklin Medal of the Franklin Institute of Philadelphia.

Irving M. Clough, founder and president of the Suntex Chemical Company, Philadelphia, died August 20 in that city after a long illness. He was fifty-one years old.

Harry L. Rugg, foreman of the chemical products department of the Standard Oil Company of New Jersey's Bayway refinery, Linden, N. J., died August 19 after a long illness. His age was forty-seven.

Harold F. Smith, secretary of the Hercules Powder Company, Wilmington, died in Philadelphia August 11. He was thirty-two years of age.

Homer S. Snow, vice-president and traffic manager for the American Zinc, Lead & Smelting Company, St. Louis, died recently. He was sixty-nine years of age.

Thomas H. Thompson, office manager at the Ivorydale plant of the Procter & Gamble Company, died of a heart attack in his home in Cincinnati, August 16. He was fifty-nine years old.

Tex. Oil-for-Britain Day Gift Is 11,228 Barrels

Austin, Tex., Aug. 18, 1941

Donations for "Oil-for-Britain Day" totaled 11,228 barrels, the Texas Railroad Commission announced today. Contributions of 2,000,000 barrels had been anticipated. The gift, which would have been made through President Roosevelt, has been put off indefinitely. Failure of the plan was due to opposition of oil operators.

National Paint Dealers and Distributors Association has been formed in New York with 200 shares of $100 par value each, for the purpose of furnishing credit standing of paint distributors.

GELLOID
The Colloid For:
. . . Stabilizing suspensions and emulsions
. . . Moisture retention in paste dentifrices
. . . Quick, dry lotions
JACQUES WOLF & CO.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N. J.

BRAZILIAN
OIL SASSAFRAS
(80% SAFROLE)
BUSH PAN-AMERICA, LTD.
136 LIBERTY STREET, NEW YORK CABLE: ARROBUSH

Petroleum Products

Three Grades of Aromatic Naphthas Advanced Sharply—Increases in Other Solvents Expected — All Petroleum Products in Heavy Demand—Supplies of Most Materials Dwindling

One prominent supplier has advanced three grades of aromatic naphthas and is offering them at the higher prices on a restricted basis. The restriction is in keeping with the extreme tightness in the market, which in most cases prohibits sales except to contract customers. Even these sales are limited. Similar tightness was reported in other solvents, with several price advances expected shortly.

The scarcity of all petroleum products was being felt throughout the country last week. Along with the solvents there was a shortage of most lighter fractions. Sales of crude scale paraffin were few due to the scarcity of supplies. Petrolatums and white mineral oils were growing less available daily. Gasoline rationing was being threatened in the East and on the West Coast. Lubricating oils were active. Pennsylvania refiners advanced 600-650 steam refined cylinder oil.

The Bureau of Explosives has announced that single-trip drums may be re-used for inflammable materials under certain conditions. Further information regarding these conditions may be obtained by application to the bureau.

Price Changes

Advanced

Oil, lubricating, Pa., cylinder, 600-650 s.r., ½c. per gal.
Petroleum, naphtha, aromatic, Nos. 8, 30 and 40, 3¼c. per gal., f.o.b. Paulsboro, N. J.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas—One prominent supplier has advanced quotations 3¼c. per gallon to the following:—No. 3, 19¾c.; No. 30, 20¾c., and No. 40, 21c. Prices are f.o.b. Paulsboro, N. J. Market very tight.

Cleaners' Naphtha. — Stocks low. Prices firm to strong.

Lacquer Diluent. — Heavy demand. Material very scarce. Prices unchanged but strong.

Mineral Spirits.—Good call from paint trade. Market tight. Prices showing strength.

Rubber Solvent. — Heavy demand. Offerings restricted. Prices firmer.

Stoddard Solvent.—Trade restricted due to small supplies. Quotations hardening.

V. M. & P. Naphtha.—Buying interest at high peak. Stocks dwindling. Prices showing strength.

Markets at Other Centers

Chicago—August 22

Strong and active market conditions prevailed in most of these materials, with offerings quite restricted. Suppliers found themselves unable to meet demand in some cases. Inquiries were insistent.

Cleaners' Naphtha.—Limited offerings, prices firm.

Lacquer Diluent,—Restricted offerings, no price change.

Mineral Spirits.—Paint industry takings good. Quotations steady.

Rubber Solvent.—Buying active, market strong.

Stoddard Solvent.—Good demand, quotations holding.

V. M. & P. Naphtha.—Offerings small. Prices harder.

New Orleans—August 22

Little change was noted in the domestic market on cleaning solvent and V. M. & P. naphtha. Prices were firm, and conservative demand continued.

Cleaning Solvent. — Demand routine; price unchanged.

V. M. & P. Naphtha.—Normal demand; no change in price.

San Francisco—August 22

Current takings in the petroleum specialties market are said to be some 10 to 12 percent higher than those of a year ago, but the demand for aromatic naphthas is exceeding this percentage.

Aromatic Naphthas—Demand broad.

Petroleum Thinners—Buying in fair quantity.

Lacquer Diluent—Active, with price firm.

V. M. & P. Naphthas—Demand excellent.

Rubber Solvent—Movement continues good.

Stoddard Solvent — A good seasonal movement is in progress.

Cleaners' Naphtha—Routine, with no price changes.

Tulsa—August 22

Tight condition has spread to the naphtha markets this week. Demand increased greatly and buyers are more urgent in their request for deliveries.

Cleaners' Naphtha.—Market broadening. Prices firm.

Stoddard Solvent. — More inquiries. Quotations unchanged.

V. M. & P. Naphtha.—Paint manufacturers are active bidders. Prices strong.

Mineral Spirits.—Good call. Prices unchanged.

Lacquer Diluent.—Steady call for material. Quotations strong.

Rubber Solvent.—Demand at new peak. Market active. Quotations strong.

Lighter Fractions

Butane. — Market remained quiet due to lack of offerings. Stocks very low. Price strong.

Heptane.—Fair movement. Sales restricted. Price steady.

Hexane.—Market at previous levels. Offerings fewer. Shipments smaller. Price strong.

Octanes.—Good buying interest reported. Movement fair. Price firm.

Pentanes.—Large call. Sales restricted to regular customers. Price strong.

Propane.—Little available. Stocks very low. Shipments off due to scarcity. Price strong.

Markets at Other Centers

Chicago—August 22

Extremely limited supplies of the lighter petroleum hydrocarbons were having the effect of keeping actual transactions on a quiet basis. Buyers were actively searching for additional quantities of material.

Butane.—Supplies held down by sellers, prices strong.

Heptane.—Few offerings, market stable.

Hexane.—Shipments active, quotations steady.

Octanes.—Movement good, no price change.

Pentanes.—Buyers persisting in inquiries, prices steady.

Propane. — Suppliers restrict orders, quotations strong.

Tulsa—August 22

Manufacturers are in a quandry because of the urgent demand by buyers. Steadily expanding production fails to satisfy the broadening demand. Quotations are very strong.

Butane. — Urgent call for material. Prices strong.

Propane.—Inquiries increasing. Prices firm.

Petane.—Good call. Quotations unchanged.

Petrolatums and Waxes

Paraffin. — Continued scarcity of crude scale wax reported. Few sales. Stocks almost depleted. Prices strictly nominal.

Petrolatums.—Strong. In good demand. Offerings restricted.

White Mineral Oils.—Large domestic call. Shipments light. Stocks not too plentiful. Prices firm.

Markets at Other Centers

Chicago—August 22

Stability and limited supplies characterized the market for these products. Buyers continued to scour the market for additional quantities, and were successful only in part. Most interest is shown in immediate shipment.

Paraffin. — Demand good, no price change.

Petrolatums. — Offerings short, quotations strong.

White Mineral Oils.—Inquiry active, market hard.

Tulsa—August 22

There was more interest in the paraffin market this week, although offerings continued to be thin. There was also some pick up in petrolatum.

Paraffine.—Greater interest. Quotations strong.

Petrolatum. — Inquiries picking up. Prices steady.

Fuels and Lubricants

Gasoline.—Good demand. Prices unchanged.

Kerosene.—Large buying interest. Quotations firm.

Lubricating Oils. — Pennsylvania 600-650 steam refined cylinder oil advanced ½c. per gallon to range of 14c. to 16½c.

Markets at Other Centers

New Orleans—August 22

Firmness was again the keynote of the gasoline market during the week. Quotations remained unchanged.

White Mineral Oil

White mineral oils will be placed under export control August 29. This will tend to partially balk an export trade in these products that has grown steadily since 1939. Large quantities of these oils were brought in from Belgium and Germany prior to the outbreak of war, but few shipments have arrived since then. Domestic production has been stepped up but not enough to offset the drop in imports. Placing the oils under export control will tend to relieve a currently tight market situation.

In the first five months of this year the United States exported 1,197,087 gallons of white mineral oil, compared with 1,036,437 in the similar period last year. This continued a trend started last year when 2,234,476 gallons were shipped out, compared with 1,665,945 in 1939. The upward trend this year has been moderated to some extent by the heavier domestic demand caused by scarcity of the imported product. In 1939, 806,048 gallons were shipped to the United States but in 1940 this figure dropped to 32,919 gallons.

Despite the larger domestic demand prices are lower now than before the war. In August, 1939, the technical grades ranged from 40c. to 43c. per gallon and the U.S.P. from 46c. to 77c. Current quotations are 34c. to 47c. for the former and 38c. to 75c. for the latter.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

NOT rabbits out of your hat, but *profits* out of your paint! That's the sort of magic you can perform when you treat your paints with

FRITZSCHE BROTHERS' PAINT DEODORANT No. 5

By using this proven deodorant you can give the consumer the type of paint he has been waiting for *and will buy*—namely, one *without objectionable odor*. The cost is negligible — 1 lb. of "No. 5" effectively masks 400 gallons of the average paint. Write for particulars TODAY.

FRITZSCHE BROTHERS, Inc.

PETROLATUMS and WHITE OILS

Buy Sherwood Quality . . If you're aiming your product at results!

SHERWOOD
REFINING COMPANY, INC.
Englewood, N.J. Refinery, Warren, Pa.

Highest quality

NAPHTHENIC ACID

CRESYLIC ACID

VISCOUS OILS
(extremely viscous polymerized hydrocarbons)

CALODORANT
GAS ODORANT

STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

TECHNICAL
WHITE OILS
OIL STATES PETROLEUM CO., INC. Woolworth Bldg., New York Plant: Bayonne, N.J.

Gasoline.—Market normal; price stable.
Kerosene. — Demand moderate; no change in price.

Chicago—August 22

Pressure for gasoline and related products is increasing. Tone of the market is strong.

Gasoline.—Demand exceptional; market strong.

Kerosene.—Call improving; no price change.

Lubricating Oils.—Buying good; quotations strong.

Tulsa—August 22

Tightness developed in market for light ends this week. Buyers were steadily bidding, but failing to obtain their quota.

Gasoline.—Market active. Quotations strong.

Kerosene.—Inquiries broadening. Prices strong.

Lubricants.—Broader demand.—Quotations very firm.

Natural Gasoline.—Inquiries steady. Quotations unchanged.

Oil Pipeline 'Trust' Decree Being Drafted

—Continued from page 5

rate rebate, and thus violates the provision of the law prohibiting payment of rebates, is expected in the near future.

A consent decree is now being drawn up which will be applicable to all pipelines in the United States operating in interstate commerce as common carriers. Under present plans, this decree will not affect ownership, rates or operation of gas and oil pipelines, nor will it require divorce of the carriers from other branches of the petroleum industry. Instead, it will attempt to place a limitation on dividends which may be paid by the pipeline company to oil companies which use the lines.

Single-Trip Container Reuse Permitted

—Continued from page 5

Applications have been made for permission to use single-trip containers for reshipment. The matter has been taken up with the I.C.C. and the Bureau of Explosives has been authorized to permit the reuse of such containers that are in good condition and not liable to permit leakage of contents while in transportation.

It, therefore, is requested that application for reuse of such single-trip containers for dangerous articles should be submitted to the bureau and said applicant shall furnish the following information:—

1. Type of container (I.C.C. specification and capacity).
2. Ownership (your own, not junkyard purchases).
3. Material desired to be shipped.
4. Will you test all such containers for possible leakage before use?
5. Upon receipts of such a request, authority may be granted for the reuse of single trip containers which must be stenciled:—"Authorized for Reuse by Bureau of Explosives."

This permission will only carry during the present emergency.

Commenting on the bureau's permissive ruling, E. A. Leveille, chairman of the traffic committee of the National Paint, Varnish and Lacquer Association, says:—

This suspension of the "single-trip" restriction will bring to a situation that is becoming progressively more difficult, many thousands of packages of recognized value; accommodate the requirements of the paint and varnish industry to that extent; diminish the pressure on steel barrel manufacturers for new steel barrels for these purposes, that cannot be supplied with satisfaction either in number or in time, and demands upon steel mills for metal which cannot under present or prospective conditions be met.

Current developments emphasize the propriety and timeliness of the association's petition and justify the action of the A.A.R. Bureau of Explosives.

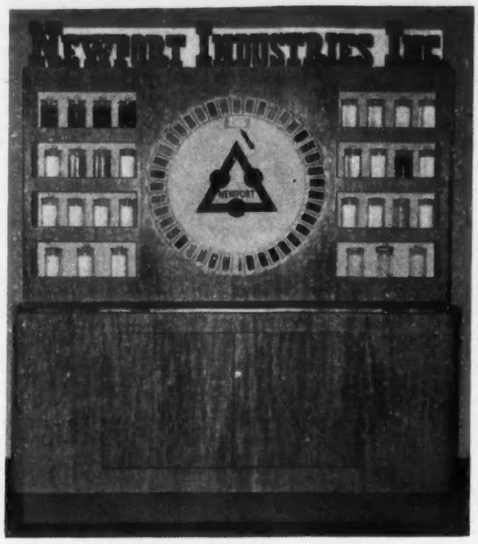
Acknowledgements are due members of the traffic and executive committees who supplied Mr. Topping with pertinent information as to conditions in their respective localities affording the chief inspector a factual basis for consideration —and for your own interest and cooperation.

Multi-Plastics Corporation, 155 North Vermont avenue, Los Angeles, is a new firm specializing in extruding and moulding of plastics.

Newport Has Unique Display Booth

Newport Industries, Inc., is about to exhibit a booth of novel construction and design which presents its full line of products. The booth is so built that it can be used in the New York office of the company or can be taken apart and sent to various conventions and exhibits.

The booth is a special cabinet 6 ft. long, 7 ft. high and 2½ ft. deep, in the center of which is a large circular rotating disc driven by a motor. On the outer edge of this rotating disc are mounted appropriate sized samples of the forty resinous products manufactured by the company. The rotating wheel is made of translucent material so that lights mounted behind it make it possible for observers to note the color grade of each sample. The thickness of each sample is ⅞ inches, thus conforming to the thickness of a standard rosin cube and the observation of color, therefore, is the same as would be obtained by the government rosin grader.



A magnifying glass is mounted on the face of the booth inside the circle formed by the rotating disc in such a way that as each sample passes this point, the name of the particular product is clearly visible.

On either side of the rotating disc is a series of four shelves on which convenient sized glass stoppered bottles, plainly marked demonstrate the liquid products manufactured by Newport. Below the exhibit proper is a suitable closet in which extra samples, advertising literature, may be stored. The booth is faced with a synthetic material in a maple design. The name of the company, the Newport 'Triangle' in the centre of the booth, and a decorative band around the base.

Bids Wanted

—Continued from page 4

Caustic Soda:—30,000 pounds; Commanding Officer, Augusta Arsenal, Ga.; invitation 32, opening August 27.

Chrome Greens:—24,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Chrome Green:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Chrome Green:—3,000 gallons; Quartermaster, Marine Corps., Washington; schedule 365, opening August 29.

Cuprous Oxide:—2,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Enamel, Camouflage, Remover:—5,500 gallons; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington; circular 382, opening August 28.

Ferromanganese:—1,500 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Ferrosilicon: — 6,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Graphite:—1,000 pounds; Commanding Officer; Picatinny Arsenal, N. J.; procurement 287, opening August 27.

Indian Red:—17,000 pounds; General Purchasing Officer, Panama Canal; Washington; schedule 5415, opening August 27.

Lampblack: — 15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Lead White:—5,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Linseed Oil:—48,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Linseed Oil:—62,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Muriatic Acid:—100,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 266, opening August 26.

Nitric Acid:—50,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 288, opening August 27.

Paint: — Supplies of; Quartermaster, Marine Corps, Washington; schedule 365, opening August 29.

Paint, Coldwater: — 8,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Paint Drums:—1,200 steel; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Para Red:—2,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Ochres: — 15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Red Lead:—50,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Rosin:—8,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Rust Preventive Compound:—Supplies of; Commanding Officer, Augusta Arsenal, Ga.; invitation 31, opening August 29.

Sienna, Burnt:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Soda Ash:—105,000 pounds; Commanding Officer, Augusta Arsenal, Ga.; invitation 32, opening August 27.

Soda Hyposulphite:—4,600 pounds; U. S. Engineer Office, Little Rock, Ark.; invitation 9, opening August 29.

Soda Sulphite:—280,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 8392, opening August 29.

Soda Stannate:—600 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 369, opening August 25.

Sulphuric Acid:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 292, opening August 27.

Titanium Borium:—35,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Titanium Borium:—27,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Turpentine: — 12,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Umbers:—2,000 pounds; General Purchasing Officer, Panama Canal; Washington; schedule 5415, opening August 27.

Venetian Red:—15,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Vermilion:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Whiting:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5415, opening August 27.

Zinc Oxide:—35,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5418, opening August 29.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to August 20 as follows:—

Army Engineers

Chemicals:—$2,198.85, Mathieson Alkali Works, Inc., Niagara Falls, N. Y.

Paint:—$48,225.70, United States Gypsum Company, Chicago; $52,386.75, M. Ewing Fox Company, New York; $79,200, Sherwin-Williams Company, Washington, D. C.

Army Medical Corps

Apomorphine Hydrochloride, Ethyl Nitrate, and Ammonia:—$15,669.34, Schieffelin & Co., New York.

Caffeine with Sodium Benzoate:—$8,800, Parke, Davis & Co., Detroit, Mich.

Drugs:—$3,535.40, Merck & Co., Rahway, N. J.

Procaine Hydrochloride Cartridges:—$21,315, Proco-Sol Chemical Company, Philadelphia, Pa.

Army Ordnance

Acetone, Dimethyl Ketone: — $3,100, Conray Products Company, New York.

Alcohol, Ethyl:—$6,028, U. S. Industrial Chemicals, Inc., Curtis Bay, Md.

Aluminum Oxide Grain:—$1,075, Carborundum Company, Philadelphia, Pa.

Beeswax, Yellow:—$2,370, Dadant & Sons, Hamilton, Ill.

Carbon Tetrachloride:—$6,570, E. I. du Pont de Nemours & Co., R. & H., Chemicals Department, Niagara Falls, N. Y.

Copper Ingots: — $1,109.60, Belmont Smelting & Refining Works, Inc., Brooklyn, N. Y.

Explosive:—$3,496,293.12, E. I. duPont de Nmours & Co., Carney's Point, N. J.

Magnesium:—$2,520, Aluminum Company of America, New Kensington, Pa.; $3,750, National Magnesium Company, Newark, N. J.

Oil:—$2,437.50, Warren Refining & Chemical Co., Cleveland, Ohio; $1,070, American Car & Foundry Co., Berwick, Pa.; $3,976.19, F. L. Roberts & Co., Springfield, Mass.; $4.338, Socony-Vacuum Oil Co., Boston, Mass.; $3,157.23, Dutton-Lainson, Inc., Hastings, Neb.; $2,-257.20, Pure Oil Company, Philadelphia, Pa.; $1,757.25, E. F. Houghton & Co., Philadelphia, Pa.; $1,030, Gulf Oil Corporation, Boston, Mass.

Potassium Chlorate:—$3,500, Western Electrochemical Company, Los Angeles, Calif.

Rust Preventive Compound:—$13,900, Standard Oil Company of Indiana, Chicago.

Sulphuric Acid Solution:—$446,042.39, American Cyanamid Company, Calco Chemical Division, Bound Brook, N. J.; $322,757.61, American Cyanamid Company, Calco Chemical Division, Bound Brook, N. J.

Trichlorethylene:—$2,275, E. I. duPont de Nemours & Co., Wilmington, Del.

Army Quartermaster Corps

Wax, Ski:—$2,686.86, Chemurgic Corporation, Richmond, Calif.

Chemical Warfare Service

Phosphorous, White:—$312,000, Victor Chemical Works, Chicago, Ill.

Rubber Cement:—$1,994.24, R. M. Hollingshead Corporation, Camden, N. J.

Coast Artillery Corps

Paint and Varnish:—$541.20, John Lucas & Co., Philadelphia, Pa.

Varnish, Asphalt:—$582.76, Casein Pigments, Inc., Ossining, N. Y.

Devoe & Raynolds Names Lightcap to Sales Post

Milton W. Lightcap, in charge of maintenance sales for the Devoe & Raynolds Company, paint manufacturer, has been appointed sales-manager of the newly-created painter and maintenance division. His appointment was made in order to coordinate activities of these two previously separate departments. Mr. Lightcap, formerly head of Pittsburgh Plate Glass Company's maintenance division, has been with Devoe & Raynolds about a year.

M. W. Lightcap

Gas Institute to Award $40,000 in Fellowships

Chicago, Aug. 18, 1941

Fellowship awards totaling $40,000 to ten engineering school graduates will be offered for 1941-42 by the Institute of Gas Technology at Illinois Institute of Technology was announced today. Work as students of Illinois Tech's graduate school will be started September 22 by fellowship winners, whose grants will provide $1,000 for each of four years during which they will pursue programs leading to masters and doctors degrees.

The Institute of Gas Technology, a separate unit on the Armour College of Engineering campus of Illinois Tech, was created in June by a $1,000,-000 appropriation of seventeen leading gas producing companies in the United States. Buildings necessary to house activities of the Institute of Gas Technology will be built eventually as part of a plan distinct from the existing $3,000,000 development program of Illinois Tech. The financing of instruction, maintenance and related costs of the gas research project will proceed at the rate of at least $100,000 a year for the next ten years.

Strategic Metals Data On Supplies, Uses Asked

—Continued from page 4

Those receiving the questionnaires will be asked to use them to report the quantities on hand and the uses made, during August, of:—Antimony, cadmium, chromium, cobalt, copper, ferro-alloys, iridium, lead, manganese or spiegeleisen, mercury, molybdenum, nonferrous alloys, tin, vanadium, tungsten, zinc and scrap metal containing any of these. It is expected that another questionnaire will soon be sent to wholesale dealers in these metals.

Fertilizer Materials

Little Interest in Organic End of the Raw Fertilizer Market —Nitrogenous Advance Only Change in Prices—Chemicals in Good Call — Scarcity in Certain Items

Movement in the market for raw fertilizer materials became more sluggish last week as consumers showed further disinclination to order at this time. Price movements were narrow, the sole change being an advance in the nominal price of nitrogenous material in the Midwest, where this product was very scarce. Other organics were in little demand. Further sales of dried menhaden futures were reported at the previous price. Various chemicals were in active call, especially potashes, sulphate of ammonia and nitrate of soda. Stocks of all three were low and producers were not offering freely. All phosphates and nitrogenous materials, as well as prepared fertilizer mixtures were placed under export control last week, effective August 29.

Superphosphate production in the fiscal year 1940-41 in the plants of acidulators which report to the National Fertlizer Association totaled 3,929,150 tons, an increase of 7 percent over the 3,677,482 registered in the previous period. Total shipments in 1940-41 were 4,527,835 tons, 14 percent higher than the 3,969,953 of 1939-40. Stocks at the end of June were 937,869 tons against 1,051,092 at the end of June, 1940.

Nitrogenates

Ammonia Phosphate.—Small movement. Offerings light. Price nominal.

Castor Pomace.—Little interest. Market quiet. Shipments small. Prices unchanged.

Cyanamid.—Few offerings. Material scarce. Price nominal.

Dried Blood.—Quiet, with prices firm and unchanged.

Fish Scrap.—Sales of dried menhaden futures reported at previous price. Spot meal steady and unchanged. Acid scrap supplies short.

Nitrate of Soda.—Stocks low. Good call. Price firm.

Nitrogenous Material. — Supplies tighter in East. Very scarce in Midwest. Nominal price advanced 25c. per unit to $2.25 at latter points.

Sulphate of Ammonia.—Little available. Prices firm.

Tankage.—Demand off. Shipments smaller. Prices unchanged.

Price Changes

Advanced

Nitrogenous material, 25c. per unit, f.o.b. Midwest factories.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.2	70.2	69.1	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Fish Scrap

Imports of fish scrap and fish meal into the United States have been declining steadily since 1939, mainly due to lack of offerings by Japanese producers. Japan, up until last year, was our chief source of foreign supply but imports from that country have been virtually negligible since late 1940.

In the first five months of this year the United States imported 14,412 tons of meal and scrap, about 50 percent less than the 28,403 registered in the similar period of 1939. Total imports last year were 39,233 tons, against 49,377 tons in 1939.

The export trade of the United States in fish meal for feed purposes has never reached very high totals but these figures also are showing downward tendencies. In the first five months of 1941 exports were 126 tons, compared with 164 in the same period last year. Total 1940 exports were 308 tons, against 335 in the previous year.

Prices have risen sharply since the outbreak of war. In August, 1939, dried menhaden futures were quoted at $3.15 and and 10c. per unit. Present price is $4.25 and 10c. Spot menhaden meal is currently quoted at $65 per ton, against $48 in August, 1939.

Potashes

Consumers continued to demand in good volume but there was less activity in the market due to low stocks. Shipments were lighter for the same reason. Producers were delivering to contract customers only. Prices were steady and unrevised.

Phosphates

Bone Materials.—Imported material tight. All grades moving slowly. Prices unchanged.

Phosphate Rock.—The market continued to move along routine lines with a fair demand reported. Prices were steady.

Superphosphate. — Continued good call for all grades of material. Stocks not too plentiful and prices showing strength.

Sulphur and Pyrites

Sulphur continued to move in routine manner, with shipments normal during the week. Domestic call was expected to pick up in the Fall. Price was steady and unrevised.

Markets at Other Centers

Atlanta—August 22

Both sulphate of ammonia and nitrate of soda are reported tight. Cottonseed meal continues firm and advancing.

Superphosphate.—58c. per unit, interior producing points.

Nitrate of Soda.—Bulk, ports, $30 per ton.

Sulphate of Ammonia.—$29 per ton, ports; $28 at ovens.

Cottonseed Meal.—8 percent grade, $35.50 to $36 per ton, Southeast.

Blood.—$3.60 per unit, Chicago; imported, $3.25 port.

Tankage.—$4.75 and 10c., Chicago.

Baltimore—August 22

The market for crude fertilizer materials has been quiet during the past week, with quotations holding at the established figures and with developments devoid of extraordinary features.

Fish Scrap.—Buyers show little interest at current figures.

Superphosphate.—The market has so far failed to score any further advance, with the quotations still at $9 per ton for run-of-pile, $10 per ton for 16 percent flat material and $12 per ton for 20 percent stocks in bulk.

Tankage.—Market quiet, with buying interest slack.

Chicago—August 22

Quieter conditions prevail in the fertilizer materials market. Inquiries are holding up well. Blood business is along moderate lines. Tankage moving in routine fashion.

Blood.—Principal grade, $3.60 per unit.

Tankage.—High grade, $4.75 and 10c.; hoofmeal, $2.75 to $3; liquid stock, $1.75 to $2.

Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $37; 4½ and 50 percent, $37.50; grinding hoofs, pigs' toes and waste horn materials, $37.50 to $40; cattle jaws, skulls and knuckles, $37.50 to $42.50; pork cracklings, soft pressed, $50 to $52.50; beef cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 97½c. to $1.

San Francisco—August 22

The market here is steady in most cases. Fish meal, however, which had a rapid price rise, is somewhat on the rebound now.

Sulphate of Ammonia—$38 per ton in 100-pound bags.

Nitrate of Soda—100-pound bags, $33 per ton ex-vessel or warehouse. Bulk, $30.

Superphosphate—83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

Fish Meal—Market easier at $68 per ton for 67 percent protein material, f.o.b. San Francisco Bay points.

Tankage—Market quiet. Prices firm.

Blood Meal—$3.50 per unit, f.o.b. cars, San Francisco.

A.A.C. Shows Sales Gain

American Agricultural Chemical Company for the fiscal year ended June 30 showed a net operating profit before provision for taxes of $1,556,873, compared with $1,043,608 in the preceding fiscal year. After deducting $435,000 provision for Federal income taxes, based on present proposed rates, the net profit amounted to $1,121,873, equal to $1.79 a share on the 627,969 shares. Net profit for the previous year was $908,608, after $135,000 deduction for taxes, or $1.45 a share on 627,981 shares then outstanding. Net sales were $22,330,492, a gain of $3,299,850 compared with the preceding year.

Chemical Plant Expansions Approved

—Continued from page 3

Chemicals:—Pittsburgh Plate Glass Company, Pittsburgh; $2,841,000.

Chemicals:—Monsanto Chemical Company, St. Louis; $1,865,000.

Dolomite: — Sloss-Sheffield Steel & Iron Company, Birmingham; $14,000.

Eggs, Dried:—Jerpe Commission Company, Omaha, Neb., $340,000.

Flares:—Kilgore Manufacturing Company, Tipp City, Ohio; $4,000.

Gasoline: — Standard Oil Company, Cleveland; $574,000.

Nickel, Refining:—International Nickel Company, New York; $180,000.

Tungsten:—Uah Chany Trading Corporation, New York; $30,000.

American Potash Elects F.C. Baker President

—Continued from page 4

Mr. Baker has been with the company since 1924. In recent years he has been vice-president of the potash concern and manager of the American interests of the Consolidated Gold Fields of South Africa, Ltd.

Named vice-presidents were R. W. Mumford, consulting chemical engineer, who has been with the company since 1920; W. J. Murphy, salesmanager, who has been with American Potash and Consolidated Gold Fields for thirty years, and Peter Colefax, who is now secretary and treasurer. All three will hold their former posts.

Due to a strike which forced closing of its Trona, Cal., plant from March 14 to July 2, the company reported it had an estimated consolidated net loss in the six months ended June 30 of $72,222, after provision for normal Federal income tax and depreciation charges of $371,183.

I.C.C. Authorized 25 Tanks For Sulphuric Transportation

OPD Washington Bureau
August 20, 1941

The Interstate Commerce Commission has authorized the construction of twenty-five tank cars, of nominal capacity 7,000 gallons, substituting toncan iron plates for open-hearth boiler plate steel of flange quality, to be used in service tests in the transportation of sulphuric acid. General American Transportation Corporation will construct the tanks for the cars.

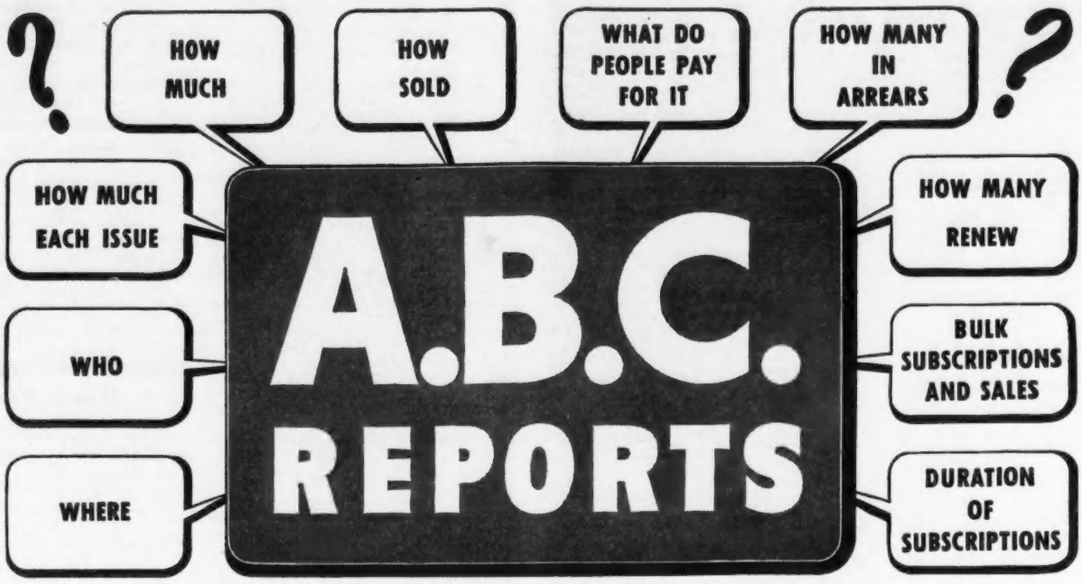
Fertilizer Tag Sales: July

	P.C. of 1940.	Equivalent tons July 1941.	July 1940.	July 1939.	P.C. of 1940.	January-July 1941.	January-July 1940.	January-July 1939.
Virginia	196	7,933	4,041	4,776	104	306,246	295,376	317,428
North Carolina	158	4,350	2,751	4,862	102	991,801	971,605	1,104,882
South Carolina	274	5,898	2,150	1,475	105	667,207	636,654	636,389
Georgia	115	1,783	1,553	570	104	743,879	712,773	664,744
Florida	195	31,594	16,184	19,986	119	365,853	306,884	284,789
Alabama	146	2,050	1,400	2,200	100	562,900	560,100	546,650
Mississippi	213	1,600	750	12,050	108	316,392	292,595	277,646
Tennessee	74	1,331	1,805	1,234	100	122,250	121,648	116,319
Arkansas	500	500	100	100	120	112,500	93,450	64,972
Louisiana	250	50	20	102	111	147,410	132,681	123,578
Texas	33	415	1,275	360	114	117,476	103,181	80,734
Oklahoma	168	505	300	200	163	9,380	5,748	6,398
Total South	179	58,009	32,329	47,915	105	4,463,294	4,232,695	4,224,529
Indiana	157	7,630	4,862	3,500	123	243,526	198,244	160,814
Illinois	...	450	....	150	130	47,001	36,198	29,725
Kentucky	80	352	438	....	102	98,311	96,700	92,556
Missouri	...	1,768	86	65	145	38,071	26,265	20,933
Kansas	1	30	2,085	....	117	5,598	4,798	1,455
Total Midwest	137	10,230	7,471	3,715	119	432,507	362,205	305,483
Grand total	171	68,239	39,800	51,630	107	4,895,801	4,594,900	4,530,012

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas



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Imports at U. S. Ports

New York Imports

ACID, TARTARIC—28 cs, D C Andrews & Co, Buenos Aires

ALOE—17 tins, Wessel, Duval & Co, Puerto Cabello
80 cs, Selma Mercantile Corp, Curacao
40 cs, Wessel, Duval & Co, Puerto Cabello
39 bxs, Wessel, Duval & Co, Puerto Cabello
32 tins, Wessel, Duval & Co, Puerto Cabello
4 cs, Geck Trading Corp, Trujillo
79 cs, Wessel, Duval & Co, Aruba
121 cs, Wessel, Duval & Co, Aruba
38 cs, Selma Mercantile Corp, Bonaire
22 cs, Selma Mercantile Corp, Bonaire

ANISE—100 bgs, E Meer & Co
40 bgs, Wah Young Co
83 bgs, Vera Cruz
STAR—150 bls, B H Old & Co

ANNATTO SEED—35 bgs, D Steengrafe, Kingston

ASBESTOS—1,100 bgs, Union Asbestos & Rubber Co
3,000 bgs, Union Asbestos & Rubber Co
1,020 bgs, Central National Bank & Trust Co

ASPHALT—340 bgs, Allied Asphalt & Mineral Corp, Havana
1,120 bgs, Allied Asphalt & Mineral Corp, Havana

BABASSU KERNELS—5,000 bgs, General Food Sales Corp, Brazil
1,666 bgs, General Food Sales Corp, Brazil
833 bgs, General Food Sales Corp, Brazil
1,666 bgs, General Food Sales Corp, Brazil

BONES—737 bgs, Darnstadt, Scott & Courtney
1,412 bgs, Rio Janeiro

BRISTLES—4 cs, M Broverman & Son

BUCHU LEAVES—20 bls, S B Penick & Co
10 bls, J L Hopkins & Co

CALCIUM TARTRATE—2,227 bgs, Albert Mevi, Buenos Aires

CANARY SEED—2,[illegible] Kuiper & Bolle, Buenos Aires
584 bgs, Kuiper & Bolle, Buenos Aires
423 bgs, Balfour, Guthrie & Co, Buenos Aires
417 bgs, Kuiper & Bolle, Buenos Aires
417 bgs, Kuiper & Bolle, Buenos Aires

CARDAMOM—5 dms, W E Martin, Puerto Barrios
20 cs, P H Petry & Co, Puerto Barrios
50 tins, W E Martin, Puerto Barrios
17 cs, W E Martin, Puerto Barrios

CASEIN — 535 bgs, National City Bank, Buenos Aires
1,334 bgs, American Cyanamid & Chem Co, Buenos Aires
192 bgs, American Cyanamid & Chem Co, Buenos Aires
250 bgs, Fleischman, Burd & Co, Buenos Aires
417 bgs, H S Cramer & Co, Buenos Aires
833 bgs, Tupman, Thurlow & Co, Buenos Aires

CASSIA—100 bls, Arnhold & Co
400 bls, J Berlage Co
200 bls, Knickerbocker Mills Co
84 bls, H S Dorf & Co
84 bls, Knickerbocker Mills Co
220 bls, A G Dunn
50 bls, B H Old & Co
100 bls, Wah Young Co
50 bls, B H Old & Co
200 bls, Wah Young Co
252 bls, A G Dunn
100 bls, A G Dunn

BROKEN—50 bls, J S Toledano & J M Pinto, Inc
200 bls, East Asiatic Co
200 bls, H E Botzow, Inc
168 bls, East Asiatic Co
200 bls, H E Botzow, Inc
50 bls, Wood & Selick
60 bls, A G Dunn
50 bls, A G Dunn

BUDS—100 bls, A G Dunn

ROLLS—200 bls, Wm Archibald
100 bls, Van Loan & Co
100 bls, Jewett & Sherman
200 bls, Wah Young Co
100 bls, Knickerbocker Mills Co
100 bls, Jewett & Sherman
100 bls, Wah Young Co
100 bls, Durkee Famous Food
100 bls, J Toledano & J M Pinto
100 bls, Durkee Famous Food

CASTOR BEANS—1,694 bgs, Baker Castor Oil Co, Victoria
916 bgs, Lloyd Brasileiro, Victoria
4,727 bgs, Baker Castor Oil Co, Rio de Janeiro
913 bgs, Baker Castor Oil Co, Rio de Janeiro
6,142 bgs, Baker Castor Oil Co, Santos
506 bgs, H W Peabody & Co, Fort Liberte

CHEMICALS, TEXTILE—5 dms, Geigy Co Lisbon
34 dms, Sandoz Chem Works, Lisbon

CHILLIES—410 bgs
564 bgs
385 bgs

CHROME ORE—3,999 tons, 11 cwt, 2 qrs, 27 lbs, Frank Samuels & Co
1,004 tons, 2 cwt, 6 lbs, Frank Samuels Co

CINCHONA BARK—726 bls, Chase National Bank
50 bls, J L Hopkins & Co, Puerto Barrios

CLOVES—600 bls, Joensson & Cross
200 bls, Brown Bros Harrimann Co

COCOA BEANS—500 bgs, Jean Levita
24,000 bgs, Balfour, Guthrie & Co
173 bgs, Kennedy, Butcher & Co, Trinidad
1,500 bgs, La Guaira
500 bgs, La Guaira
500 bgs, Nieschlag & Co, Puerto Cabello
832 bgs, Machado & Co, Trujillo
149 bgs, Gillespie & Co, Trujillo
1,000 bgs, Wessel, Kulenkampf & Co, Sanchez
1,432 bgs, Curacao Trading Co, Sanchez
158 bgs, Gillespie & Co, Sanchez
386 bgs, Machado & Co, Sanchez
200 bgs, Machado & Co, Puerto Plata
250 bgs, General Cocoa Co, Puerto Plata
250 bgs, Wessel, Kulenkampf & Co, Puerto Plata
480 bgs, Machado & Co, Puerto Plata
500 bgs, Wood & Selick, Trinidad
250 bgs, Puerto Cabello
250 bgs, Puerto Cabello
500 bgs, Carupano
300 bgs, Antoni & Co, Carupano
500 bgs, Carupano
500 bgs, Antoni & Co, Carupano

COCOA BEANS—200 bgs, Kennedy, Butcher & Co, Port Spain
300 bgs, Carupano
64 bgs, Kennedy, Butcher & Co, Carupano
250 bgs, Carupano
250 bgs, Kennedy, Butcher & Co, Carupano
600 bgs, Carupano

COCONUT, DESIC—100 cs, Dodwell & Co
750 cs, Trade Wind Food
292 cs, General Food Sales Corp
1,798 pkgs, General Food Sales Corp
200 cs, Dodwell & Co
1,120 cs, Wood & Selick
205 ctns, Wood & Selick
3,120 bgs, Wood & Selick
300 cs, Dodwell & Co
5,992 pkgs, Durkee Famous Food
312 pkgs, Philippine Desic Coconut Co
550 cs, Wood & Selick
247 bgs, Wood & Selick
292 cs, Durkee Famous Food
551 bgs, Durkee Famous Food
776 cs, Chase National Bank
171 cs, Balfour, Guthrie & Co
7,658 pkgs, General Food Sales Corp
253 bgs, Balfour, Guthrie & Co
2,500 bgs, General Food Sales Corp

COCONUT SHELLS—871 bgs, B Siretta, Kingston

COCONUT SHELL CHARCOAL—1,415 bgs, General Food Sales Corp
1,670 bgs, General Food Sales Corp

COCONUTS—840 bgs, I L Toledano Corp, Cristobal

COLOMBO ROOT—80 bgs, Avery F Payne Co

COPAIRA BALSAM—4 dms, Fritzsche Bros, Cristobal
5 dms, Wessel, Duval & Co, Cristobal

CORK—100 bgs, Mundet Cork Corp, Lisbon
17 bgs, H E Botzow, Inc, Lisbon
58 bgs, Mundet Cork Corp, Lisbon
12 bgs, R S L Shuttecocks Co, Lisbon
70 bgs, Cork Product Co, Lisbon

GRANULATED—347 bls, Wicander & Co, Lisbon

SHAVINGS—1,200 bls, Cork Product Co, Lisbon
700 bls, Mundet Cork Corp, Lisbon
550 bls, Wicander & Co, Lisbon

VIRGIN—452 bls, Mundet Cork Corp, Lisbon
1,037 bls, United Cork Co, Lisbon
800 bls, Mundet Cork Corp, Lisbon
750 bls, Mundet Cork Corp, Lisbon
735 bls, Mundet Cork Corp, Lisbon

WASTE—200 bls, Mundet Cork Corp, Lisbon
336 bls, Mundet Cork Corp, Lisbon
1,032 bls, Mundet Cork Corp, Lisbon
1,440 bls, Mundet Cork Corp, Lisbon
639 bls, Wicander & Co, Lisbon
1,230 bls, Mundet Cork Corp, Lisbon

WOOD—55 bls, H E Botzow, Inc, Lisbon
75 bls, Continental Cork Co, Lisbon
52 bls, Mundet Cork Corp, Lisbon
80 bls, Mundet Cork Corp, Lisbon
470 bls, Mundet Cork Corp, Lisbon
508 bls, Mundet Cork Corp, Lisbon
100 bls, Mundet Cork Corp, Lisbon

COTTON LINTERS—1,173 bls, Buenos Aires
669 bls, Buenos Aires
141 bls, Philadelphia National Bank, Santos
191 bls, Rio Janeiro
36 bls, National City Bank, Rio Janeiro
165 bls, Rio Janeiro
529 bls, Lush Cotton Product Co, Santos

LINTERS' MOTES—189 bls, Lush Cotton Product Co, Buenos Aires

DERRIS ROOT—32 bls, John Powell & Co
68 bls, John Powell & Co

DIVI DIVI—900 bgs, N Brandon Co, Aruba
3,289 bgs, Aruba

DYES, ANILIN—20 dms, Geigy Co, Lisbon
61 cyls, Sandoz Chem Works, Lisbon
18 dms, Geigy Co, Lisbon
15 cyls, Sandoz Chem Works, Lisbon
88 cyls, Sandoz Chem Workg, Lisbon

EARTH, MINERAL—2,236 bgs, Pomeroy & Fischer, Vera Cruz

FISH SOUNDS—96 bls, J H Hunter, Maracaibo
30 bls, Fulton Freight & Forwarding Corp, Maracaibo

FLAXSEED—3,849 bgs, 8,467 bus, Buenos Aires
2,803,000 kilos, 112,120 bus, Buenos Aires
4,620 bgs, 10,164 bus, Bunge North American Grain Co, Buenos Aires
Quantity, Bunge North American Grain Co, Buenos Aires
303 bgs, 666 bus, Kuiper & Bolle, Buenos Aires
3,257 bgs, 7,165 bus, Kuiper & Bolle, Buenos Aires

FLUORSPAR—1,440 bgs, Carr Bros, Inc, Vera Cruz

FUSTIC—36 tons, American Dyewood Co, Kingston

GINGER ROOT—5 bgs, Gillespie & Co, Kingston

GLUESTOCK—67 bls, Darnstadt, Scott & Courtney, Buenos Aires
40 bls, E J Lang, Buenos Aires
59 bls, E J Lang, Buenos Aires
21 bls, Manufacturers Trust Co, Buenos Aires
10 bls, Chase National Bank, Buenos Aires

GLYCERIN—50 dms, Tupman-Thurlow Co, Buenos Aires
186 dms, Corn Exchange Bank Trust Co, Montevideo

GRAIN OF PARADISE—13 bgs, Gillespie & Co
27 bgs, S B Penick & Co

GREAVES—573 cakes, Weaver & Hugi, Buenos Aires
54 bgs, Weaver & Hugi, Buenos Aires

GUM, COPAL—64 bgs, France, Campbell & Darling
67 bgs, O G Innes Corp
197 bgs, S Winterbourne & Co
67 bgs, O G Innes Corp
134 bgs, Stroock & Wittenberg

GUM, COPAL—82 bgs, W H Scheel
84 bgs, France, Campbell & Darling
148 bgs, Stroock & Wittenberg
67 bgs, American Cyanamid & Chem Co
605 bgs, Guaranty Trust Co
300 bgs, Thurston & Braidich
150 bgs, P S Busschaert
200 bgs, Bank of Manhattan
1,040 bgs, Banque Belge pour l'Etrange
1,000 bgs, Stroock & Wittenberg
460 bgs, Balfour, Guthrie & Co
605 bgs, Guaranty Trust Co
360 bgs, P S Busschaert
250 bgs, National City Bank
275 bgs, Banque Belge pour l'Etrange
191 bgs, P S Busschaert
500 bgs, Banque Belge pour l'Etrange

DAMMAR—210 bgs, Thurston & Braidich
100 cs, France, Campbell & Darling
300 bgs, Thurston & Braidich
482 cs, Thurston & Braidich
600 cs, Thurston & Brandich
400 cs, Thurston & Braidich

ELEMI—130 cs, American Cyanamid & Chem Co

KAURI—20 cs, Stroock & Wittenberg

NIGER—172 bgs, Chicle Development Co
26 bgs, Chicle Development Co

PENDARE—140 bls, Chicle Development Co, Port Spain
146 bls, Chicle Development Co, Port Spain

GYPSUM—1,054 tons, Newark Plaster Co, Hillsboro

HENNA LEAVES—12 bls
18 bls

IPECAC ROOT—12 pkgs, R D Heins, Cristobal
8 pkgs, R D Heins, Cristobal

KOLA NUTS—50 bgs, J E Paton & Co, Kingston
25 bgs, D Steengrafe, Kingston

LAUREL LEAVES—100 bls, New Trading Co, Lisbon

LIVER MEAL—500 bgs, National City Bank

LIVERS—95 bgs, Anglo-American Trading Co

LOGWOOD—40 tons, W & A Leaman

MANGROVE BARK—501 bgs, Barkey Import Co
2,710 bgs, Barkey Import Co
350 bgs, Tannin Corp
2,800 bgs, Guaranty Trust Co
1,120 bgs, Tannin Corp
628 bgs, Guaranty Trust Co
1,000 bgs, Tannin Corp
174 bgs, Guaranty Trust Co
502 bgs, Barkey Import Co
150 bgs, Barkey Import Co
500 bgs, Gibson & Co

MANIOC FLOUR—250 bgs, Chase National Bank, Santos
667 bgs, Bank of Manhattan
333 bgs, Santos
250 bgs, Chase National Bank, Santos
500 bgs, Morningstar-Nicol, San Francisco
736 bgs, Perkins Glue Co, San Francisco
736 bgs, Stein, Hall & Co, San Francisco
500 bgs, Morningstar-Nicol, San Francisco
1,472 bgs, Perkins Glue Co, San Francisco

MEDICINAL PREPS—42 cs, D C Andrews & Co, Buenos Aires
6 cs, Hoffmann-La Roche, Lisbon
34 cs, D C Andrews & Co, Santos
2 pkgs, Garcia & Fabregas, Maracaibo

MICA—80 cs, Ford Radio & Mica Corp, Victoria
58 cs, National City Bank, Victoria

MONAZITE SAND—900 bgs, Rare Mineral & Metal Co, Victoria

MURU MURU KERNELS—834 bgs, General Food Sales Corp, Brazil
1,667 bgs, General Food Sales Corp, Brazil

NUTGALLS—252 bgs, Arnhold & Co
252 bgs, The Aries Co
260 bgs, Zinsser & Co
168 bgs, Arnhold & Co
168 bgs, The Aries Co
420 bgs, Arnhold & Co
168 bgs, The Aries Co
305 bgs, Gillespie & Co
270 bgs, Gillespie & Co

OIL, ANISE—5 dms, Carasso & Co

CANANGA—3 dms, Guaranty Trust Co

CASSIA—8 dms, Ungerer & Co
1 dm, Geo Lueders & Co
2 dms, Ungerer & Co

CITRONELLA—10 dms, National City Bank
6 dms, Irving Trust Co
29 dms, New York Trust Co

COCONUT—1,261 long tons, Philippine Refg Co
150 tins, Funch, Edye & Co
580 tins, Funch, Edye & Co

COD—250 cks, Canada

CORN—521 dms, Bunge North American Grain Co, Buenos Aires

COTTONSEED—253 dms, I R Boody & Co, Buenos Aires
261,450 kilos, I R Boody & Co, Buenos Aires
253 dms, I R Boody & Co, Buenos Aires

ESSENTIAL—17 bbls, H A Sothern, Puerto Barrios
1 dm, Geo Lueders & Co, Kingston
1 cs, Eric Howard, Santos
1 cs, Magnus, Mabee & Reynard, Vera Cruz
1 dm, Adel Rio & Bro, Vera Cruz
10 cs, Wells, Fargo & Co, Vera Cruz
8 cs, Citrus Allied & Essential Oil Co, Puerto Plata

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

PALM—966 tons, 2 cwts, 3 qtrs, 15 lbs, Balfour, Guthrie & Co
434,166 kilos, Balfour, Guthrie & Co
930,114 kilos
1,386 tons

RAPESEED—112,105 kilos, W R Grace & Co, Buenos Aires

OX GALLS, CONC—220 cks, Weaver & Hugi, Buenos Aires

PEPPER, BLACK—4,152 bgs, Catz American Co
2,350 bgs, Catz American Co

WHITE—891 bgs, Catz American Co
486 bgs, Catz American Co

PERFUME, SYNTH—40 cs, Firmenich & Co, Lisbon
54 cs, Diethelm & Co, Lisbon
8 cs, Rohner, Gehrig & Co, Lisbon

PIMENTO—306 bgs, J A Manton, Kingston
50 bgs, Otto Gerdau Co, Kingston
50 bgs, Geo Lueders & Co, Kingston

PYRETHRUM FLOWERS—190 bls, Banque Belge pour l'Etrange
140 bls, Banque Belge pour l'Etrange
1,100 bls
428 bls
1,700 bls

QUEBRACHO EXTRACT—3,814 bgs, Tannin Corp, Buenos Aires
1,581 bgs, Tannin Corp, Buenos Aires
800 bgs, Tannin Corp, Buenos Aires
20 bdls, Tannin Corp, Buenos Aires
200 bgs, Tannin Corp, Buenos Aires
637 bgs, Tannin Corp, Buenos Aires
800 bgs, Tannin Corp, Buenos Aires

QUININE SULPHATE — 100 cs, Guaranty Trust Co

SAGO FLOUR—736 bgs, Bingham & Co
1,600 bgs, National Starch Prod, Inc

SESAME SEED—30 bgs, Wah Young Co
56 bgs, Jewett & Sherman
56 bgs, Wah Young Co
2,000 bgs, Julius Leowith
500 bgs, Manufacturers Trust Co

SHARK LIVER—2 bbls, Ocean Leather Co, Kingston

SOAPSTOCK, COTTONSEED—160 bbls, Balfour, Guthrie & Co, Buenos Aires
126 bbls, Balfour, Guthrie & Co, Buenos Aires
450 bbls, Balfour, Guthrie & Co, Buenos Aires
480 bbls, Bunge North American Grain Co, Buenos Aires
2,301 bbls, L N Jackson & Co, Inc, Buenos Aires
111 bbls, Balfour, Guthrie & Co, Buenos Aires
112 bbls, Balfour, Guthrie & Co, Buenos Aires
121 bbls, West Texas Cotton Oil Co, Buenos Aires

SPONGES—4 bls, New York & Cuba Mail S S Co, Havana
9 bls, Havana
5 bls, New York & Cuba Mail S S Co, Havana
25 bls, New York & Cuba Mail S S Co, Havana

TALLOW—1,091 cks, H J Baker & Bros, Buenos Aires
267 bbls, E J Lang, Buenos Aires
150 cks, Guaranty Trust Co
1,753 cks
150 cks, Lever Bros
561 cks, H J Baker & Bro
69 cks, Tupmann, Thurlow Co
602 cks, Tupman, Thurlow Co
946 cks, H J Baker & Bro
806 cks, Tupman, Thurlow Co
1,074 cks, H J Baker & Bro

TANKAGE—500 bgs, Wessel, Duval & Co, Buenos Aires
1,405 cakes, Anewalt & Schmidt, Buenos Aires
6 bgs, Anewalt & Schmidt, Buenos Aires
1,000 bgs, Swift & Co, Buenos Aires
500 bgs, Wessel, Duval & Co, Buenos Aires
540 bgs, Wessel, Duval & Co, Buenos Aires
2,032 bgs, Buenos Aires
529 bgs, Tupman, Thurlow Co,
520 bgs, L Stern Son

TAPIOCA FLOUR—515 bgs, Chase National Bank
350 bgs, C R Allen, Havana
600 bgs, Stein, Hall & Co, Havana
720 bgs, C R Allen, Havana
1,000 bgs, Bank of New York, Rio Janeiro
1,680 bgs, Chase National Bank, Rio Janeiro
1,370 bgs, Bank of New York, Rio Janeiro

TARTAR—453 bgs, Charles Pfizer & Co, Buenos Aires

TONKA BEANS—1 ck, Kennedy, Butcher & Co, Trinidad
17 cks, Machado & Co, Port Spain

TUCUM KERNELS—1,538 bgs, General Food Sales Corp, Brazil

VANILLA BEANS—607 cs

WATTLE BARK—550 bls, Tannin Corp
550 bls, Tannin Corp
1,626 bls
2,945 bls
924 bls, International Product Co
1,118 bls, Hammond & Carpenter
7,436 bls
7,724 bls, Tannin Corp

EXTRACT—625 bgs, Tannin Corp

WAX, BEES—353 bgs, Industrial Sales Corp
100 bgs, Rio Grande
262 bgs, Rio Grande
101 bgs, Rio Grande
193 bgs, Balfour, Guthrie & Co
45 bgs, Banque Belge pour l'Etrange
74 bgs, Walnet Raw Prod Co
74 bgs, Walnet Raw Prod Co
25 bgs, Havana
8 bgs, Galban, Lobo & Co, Havana
5 bdls, C E Peterson, Puerto Barrios
17 bdls, Geck Trading Corp, Puerto Barrios
23 seroons, Mecke & Co, Trujillo
32 bgs, Machado & Co, Trujillo
33 bgs, Machado & Co, Trujillo
25 seroons, Porcella Vicini & Co, Puerto Plata
31 seroons, Agruba Trading Co, Puerto Plata
16 seroons, Porcella Vicini & Co, Puerto Plata

CARNAUBA—11 bgs, American Cyanamid & Chem Co, Rio de Janeiro
34 bgs, Chase National Bank, Rio de Janeiro

WINE LEES—1,496 bgs, Charles Pfizer & Co, Buenos Aires
444 bgs, Charles Pfizer & Co, Buenos Aires
525 bgs, Albert Mevi Buenos Aires
401 bgs, Albert Mevi, Buenos Aires
563 bgs, Albert Mevi, Buenos Aires
341 bgs, Albert Mevi, Buenos Aires
88 bgs, Standard Brand, Lisbon
96 bgs, Standard Brand, Lisbon

WOLFRAM ORE—480 bgs, Banque Belge pour l'Etrange
220 bgs, Banque Belge pour l'Etrange
55 bgs, J J Gavin & Co, Lisbon
80 bgs, J J Gavin & Co, Lisbon

ZIRCONIUM SAND—800 bgs, Rare Mineral & Metals Co, Victoria

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

New York Transit Imports

CASSIA, BROKEN—50 bls, S L Jones & Co, San Francisco
39 bls, S L Jones & Co, San Francisco
BUDS—100 bls, Frank Tea & Spice Co, to Cincinnati
ROLLS—300 bls, to Ontario
100 bls, Stickney & Poor Spice Co, to Boston
CHILLIES—28 bgs, to Canada
COCOA BEANS—500 bgs, A Canale, Guayaquil, Boston
250 bgs, A Canale, Guayaquil, Boston
1,000 bgs, Guayaquil, Boston
250 bgs, A Canale, Guayaquil, Boston
500 bgs, Middleton & Co, Guayaquil, Boston
500 bgs, A Canale, Guayaquil, Boston
COCONUT, DESIC—300 cs, Dodwell & Co, to Chicago
150 cs, Dodwell & Co, to Chicago
COTTON LINTERS—276 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
126 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
395 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
185 bls, West Texas Cotton Oil Co, Santos, Houston
103 bls, First National Bank, Santos, Boston
COTTONSEED MEAL—1,100 bgs, Ashcraft-Wilkinson Co, Pt au Prince, Atlanta
MANGANESE ORE — 5,400 tons, Electro Metallurgical Co, to Canada
MOLASSES—133 bbls, Boston Molasses Co, Demerara, Boston
OIL, ANISE—15 cs, L & R Millen, to Canada
COCONUT—340 long tons, Wecoline Prod Co, to Cincinnati
607 long tons, Pacific Vegetable Oil Co, to San Francisco
CORN, REFD—30 dms, Royal Bank of Canada, Buenos Aires, Canada
PAPAIN—64 cs, American Ferment Co, to Buffalo
QUEBRACHO EXTRACT—2,050 bgs, American Tanners, Buenos Aires, Boston
3,026 bgs, American Tanners, Buenos Aires, Boston
2,048 bgs, American Tanners, Buenos Aires, Boston
4,030 bgs, American Tanners, Buenos Aires, Boston
SESAME SEED—15 bgs, L & R Millen, to Canada
SOAPSTOCK—123 bbls, West Texas Cotton Oil Co, Buenos Aires, Houston
TALLOW—383 cks, First National Bank, to Boston
TANKAGE—756 bgs, to Montreal

Baltimore Imports

ASBESTOS—1,407 bgs, Capetown
CHROME ORE—8,034 tons, Lourenco Marques
5,001 tons, Lourenco Marques
IRON ORE—3,500 tons, Bethlehem Steel Co, Daiquiri
5,700 tons, Bethlehem Steel Co, Daiquiri
MANGANESE ORE—7,500 tons, Durban
8,700 tons, Rio Janeiro
5,000 tons, Port Zebpeters, P I
7,000 tons, Rio Janeiro
10,150 tons, Rio Janeiro
1,900 tons, Manila
PETROLEUM, CRUDE—113,441 bbls, Standard Oil Co N J, Las Piedras
PYRETHRUM FLOWERS—375 bls, Mombasa

New Orleans Imports

LEAVES, DRIED—4 tons, Puerto Barrios

Philadelphia Imports

CHROME ORE—3,950 tons, Pastelillo
3,900 tons, Pastelillo
CORKWOOD—22,247 bls, Lisbon
MOLASSES—446,627 gls, Publicker Alcohol Corporation, Banes
OIL, FUEL—80,000 bbls, Socony-Vacuum Transportation Co, Aruba
PETROLEUM—74,625 bbls, Gulf Oil Corporation, Las Piedras
59,577 bbls, Gulf Oil Corporation, Puerto La Cruz
122,42? bbls, Gulf Oil Corporation, Puerto La Cruz
67,000 bbls, Atlantic Refining Company, Las Piedras

Exports from U. S. Ports

New Orleans Exports

ACID, HYDROCHLORIC—10 tons, Ceiba
FIRECLAY—13 tons, Cartagena
GASOLINE—45 tons, Ceiba
KEROSENE—20 tons, Quepos; 3 tons, Puerto Cabezas; 1 ton, Ceiba
LARD—27 tons, Havana; 22 tons, Cristobal; 10 tons, West Coast South America
LIME, HYDRATED—317 tons, Golfito; 255 tons, Puerto Armuelles
OIL, DIESEL—72 tons, Puerto Cabezas; 116 tons, Ceiba
FUEL—273 tons, Ceiba
LUBRICATING—30 tons, Cristobal
TRACTOR—7 tons, Ceiba
PARAFFIN—26 tons, Barranquilla
QUEBRACHO EXTRACT—15 tons, Havana
ROSIN—35 tons, Barranquilla; 70 tons, Cartagena; 40 tons, West Coast South America
SALT—137 tons, Havana; 8 tons, Puerto Cabezas
STEARIN—6 tons, Ceiba

Philadelphia Exports

CHROME, FURNACE—6 bbls, Rio Janeiro
DYEWOOD EXTRACT—20 dms, Santos
GASOLINE—400 cs, Santos; 2,750 tambores, Paranguа
GREASE, LUBRICATING, 20 cs, 40 bbls, Rio Rrande do Sul
KEROSENE—400 cs, Santos; 28 cs, Santos
OIL, LUBRICATING—454 cartons, 415 dms, 374 cs, Rio Janeiro; 435 cs, 235 tambores, Rio Grande do Sul; 14 dms, Santos
TRANSFORMER—100 dms, Santos
PARAFFIN, REFD—50 cs, Rio Grande do Sul; 20 cs, Santos; 30 cs, Rio Janeiro
UNREFD—40 cs, Rio de Janeiro; 80 bbls, Santos
SODA, CAUSTIC—50 dms, Santos
PRUSSIATE—33 bbls, Rio Janeiro
THIOPHENE—25 dms, Rio Janeiro
TURPENTINE SUBSTITUTE—3,000 cs, 200 dms, Rio Janeiro; 80 dms, Santos

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Sulphur:—Argentina requires that an official certificate of analysis accompany the documents covering shipments of crude sulphur. This requirement was made in an attempt to standardize shipments of this product and to avoid difficulty in determining the purity of the sulphur. The certificate should indicate the percentage of purity, as under the Argentine customs tariff sulphur with a purity of over 99 percent has an official valuation twice as high as sulphur with a purity of 99 percent or less.

Bermuda Shipments:—A permit from the Food and Supplies Control Board is now required for the exportation, reexportation or transshipment of goods of any description from Bermuda. Similarly, importation of goods of every description, from Empire sterling sources as well as from any other sources, is subject to import permit from the board.

Brazilian Invoices:—The Brazilian Consul General at New York has announced that parcel post shipments to Brazil with a value of more than $25 must be covered by consular invoices in addition to the previously required commercial invoices.

Control System:—A system of control by license for the transshipment of goods at all Newfoundland ports to the United Kingdom has been instituted.

Ecuador Exports:—The Eucadoran government has prohibited the reexportation of imported merchandise and the exportation of essential materials, except under license issued by the Export Control Board. Permits for the reexportation of imported merchandise will be granted only in the case of shipments to a country of the Western Hemisphere which maintains a similar control over reexports and accords reciprocity to Ecuador in this respect.

Fertilizers:—A recent amendment to an act regulating the sale of fertilizers gives the secretary of Rural Reconstruction, a department under the Commissioner of Natural Resources, the right to control imports of agricultural and other fertilizers which are passed through the Newfoundland Customs. It is believed that since agricultural fertilizer is entitled to free entry, such fertilizer should be differentiated from industrial fertilizer. The aim of the Newfoundland government is to encourage agriculture by reducing duties on fertilizers but still the government wishes to collect revenues on industrial fertilizers.

Lubricants:—Algeria has established a special tax on imports and sales of lubricating products of all kinds. This tax amounts to 20 francs per 100 kilos if sold by weight, or 0.20 franc per liter if sold by volume.

Nonferrous Metals:—Copper ore, metal scrap alloys and manufactures, and many other nonferrous metals and alloys may not be exported from Northern Rhodesia except under license. Exports to the United States are subject to the special license.

Parcel Post:—Reduced postage rates are applicable to parcel post packages for Paraguay.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—67,939 bbls, Portland; 2,792 bbls, San Diego; 4,711 bbls, San Diego; 1,856 bbls, San Diego; 80,774 bbls, Portland; 1,845 bbls, San Diego; 1,651 bbls, San Diego; 2,900 bbls, San Diego; 66,415 bbls, Seattle; 25,498 bbls, Tacoma; 27,446 bbls, Tacoma
KEROSENE—2,003 bbls, Seattle
OIL, DIESEL—4,847 bbls, Portland; 1,456 bbls, San Diego; 3,943 bbls, Seattle; 4,487 bbls, Tacoma
FUEL—8,768 bbls, Portland; 61,802 bbls, Seattle; 68,157 bbls, Seattle; 67,097 bbls, Avon; 47,761 bbls, Portland; 25,581 bbls, Richmond
FURNACE — 2,300 bbls, Portland; 2,012 bbls, Seattle

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended August 20

Archil liquor, 5 casks; restricted use.
Cassia oil, 15 drums; not U.S.P.
Licorice root, 200 bags; not U.S.P.
Medicinal preparations, 1 parcel; new drug; dangerous drug; false and misleading statements.
Medicinal preparations, 16 cases; false and misleading statements; not properly labeled.
Medicinal preparations, 1 parcel; not N.F.; false and misleading statements.
Medicinal preparations, 2 parcels; not properly labeled.
Sage, 20 bales; not N.F.

Philadelphia

Week Ended August 20

Cumin seed, 163 bags; insect infestation.
Cumin seed, 177 bags; spurious.
Sesame seed, 65 bags; insect infestation.

San Francisco

Week Ended August 14

Medicinal, 3 dozen; omission mandatory labeling; false theraputic claims; dangerous drug.
Medicinal, 6 11/12 dozen; omission mandatory labeling; false therapeutic claims.
Medicinal, 11 2/12 dozen; omission mandatory labeling; dangerous drug.
Medicinal, 36 8/12 dozen; false therapeutic claims.

Methane Refrigerants Allocated by OPACS

—Continued from page 5

ing equipment. Current supplies of the chlorofluoromethanes are expected to be adequate for the maintenance of all installed refrigeration and air-conditioning equipment.

OPACS suggested a three-point program of cooperation in the allocation, as follows:—

Reasonable requirements should be anticipated, but shipment of more than a thirty-days supply should not be requested.

Empty cylinders should be returned promptly.

Pooling of orders by separate units of one establishment should be undertaken where feasible to reduce the number of cylinders required and to keep inventories from becoming excessive.

The program, which will expire December 31, 1941, unless sooner terminated, will be administered by the Division of Priorities, Office of Production Management. Kinetic Chemicals, Inc., a subsidiary of E. I. duPont de Nemours & Co., produces exclusively several types of the chlorofluoromethanes under the tradename "Freon."

Foreign-Owned Property Census Is Ordered

—Continued from page 3

his custody, control or possession, in which on either June 1, 1940, or June 14, 1941, a foreign country or national thereof had any interest.

Corporations and other organizations are required to report all shares of stock, bonds or other securities issued by them and owned by nationals of a foreign country.

Every agent or representative in this country who knows of property in the United States belonging to a foreign national for whom he is acting must report such property.

Chemical Exposition In N.Y. December 1-6

Although practically all available space was allotted more than a month ago, applications are still being received from prospective exhibitors at the eighteenth Chemical Exposition to be held in Grand Central Palace, this city, December 1 to 6. Problems of national defense will be the theme of the exposition. Charles F. Roth is the manager of the exposition.

Export Control Extended To Almost All Chemicals

—Continued from page 3

gathers in everything else by means of a designation such as this:—

All other salts and compounds in addition to those listed in previous numbered export control schedules.

With reference to some consumer commodities the schedule is less embracing as far as the number of groups goes, but almost every group contains a generalizing designation. Among the various groups specifically brought under control are:—

Castor oils
Chemical pigments
Cleansers
Colors in oil
Dentifrices
Depilatories
Disinfectants
Earth pigments
Fungicides
Insecticides
Medicines for asthma and similar afflictions and chills and the like
Paints, varnishes, and lacquers
Polishes
Reagent chemicals
Soaps
Synthetic resins
Tanning specialties
Textile specialties
Vitamins and viosterols
Water softeners
White mineral oils

And to make the inclusion of hundreds of other chemical preparations certain, the schedule provides for:—

Other chemical specialty compounds in addition to those listed in previous numbered export control schedules.

Drums Included

The previous control of exports of drums for petroleum products has been made applicable to all drums—and presumably cylinders—filled or empty, by the following provision:—

Metal drums and containers for oil, gas and other liquids (filled or unfilled):—others, in addition to those listed in previous numbered export control schedules.

The new schedule covers a great variety of metallic manufactures, including various industrial machines and valves and other equipment. It also covers practically all sorts of automotive vehicles.

Many nonferrous metals are put under control by schedule 17, and the list is extended by schedule 18 to include cerium and thorium ores, concentrates, metals, and alloys and "other [nonferrous] ores and concentrates in addition to those listed in previous numbered export control schedules."

Schedule 18 also covers, among other commodities:—

Asphalt and bitumen, natural, unmanufactured, manufactures, including asphalt cement, emulsion, and prepared road asphalt.

Asbestos, unmanufactured, crude and fiber (fibers less than 3/8 of an inch in length).

Schedule 18 will become effective September 10.

General Licenses Issued

The Secretary of State today announced the issuance of general licenses for export to Canada, Great Britain and Ireland, and the Phillippine Islands, of a number of articles coming under control August 27. These include:—

Aconite leaves and roots
Cadmium dross, flue dust, residues, and scrap; metal; alloys
Chromium tanning mixtures
Citric acid
Colchicum roots and seeds
Oxalic acid
Phenol-formaldehyde resins
Pyrethrum powder or extract
Tricresol phosphate
Triphenyl phosphate
Urea-formaldehyde resins.

Salt Rate Under Lighterage Rules Asked

Albany, Aug. 11, 1941

W. S. Curlett, agent for carriers in trunk line territory, has filed with the New York Public Service Commission an amendment to the lighterage and terminal regulations in New York harbor and vicinity. Salt, in bags, as described in tariff, added to list of articles not to be contracted "lighterage free." New arrangement, effective August 12, 1941, and expires with December 31, 1942, unless sooner canceled, changed or extended.

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In these days of exiguous supply of heretofore necessary materials, there is a bigger-than-ever need in all kinds of enterprises for special, expert advice and assistance for the finding of materials which will carry a process or a formula from the heretofore to the now. Perhaps the finding of another process or formula is called for. That sort of thing—finding this-day materials, processes, or formulas—is what the scientific and professional services adjacently offered are to be consulted for.

Titanium Mineral Developed in New York

Albany, Aug. 11, 1941

In the search for new sources of industrial materials a study of data in the New York State Museum disclosed the existence of a titanium oxide mineral in the Tahawus region of the central Adirondacks. It was found the Sanford Hill on the east of Seaford Lake was largely made up of a titaniferous iron ore containing from 19 percent to 20 percent of titanium oxide. Mining of this universal has been started, creating a new industry for the State in that region. A road is being built eight miles into the mine and a village is being constructed near the outlet of Sanford Lake for the workers. Power lines have been strung into the undeveloped area. Information in possession of the State Museum indicates a large supply of the needed ore.

The relatively scarce metal, beryllium, which because of its strength and lightness is becoming important for fabricating articles even lighter in weight than aluminum, is found in New York at Bedford, Westchester county, and at Bachellerville, Saratoga county. These deposits are small, found in the rarely concentrated mineral beryl. It is usually an incidental product in the quarrying of feldspar, quartz and mica. As indicated for New York State, beryl is seldom found in any region in quantities of commercial value. The cost of obtaining the free metal beryllium is fairly expensive, but metallurgists are striving for easier methods of recovery. The metal, beryllium, has recently come on the market as knives, forks, and spoons, resembling gold in color but very much lighter in weight. With warring countries demanding more and more light metals for constructing airplanes, the application of beryllium in the future is obvious. Magnesium, another light metal, has taken on a destructive role in warfare, as an important ingredient in incendiary bombs and as flares for lighting enemy positions from the skies at night. New York's extensive salt beds in the central part of the State have in them some magnesium, and dolomite, a form of limestone containing a good percentage of the metal in chemical combination, also offers itself as a source. Already inquiries have come to the New York State Museum for information on a likely place to extract the metal from salt beds, where water would be forced into the deposits and the brine pumped up and treated. The prospective manufacturer points out the need of a low electric power cost to make the project practical.

'Paint Protects America' Theme Of Industry's Defense Drive

A silhouette map of the United States bearing the words "Paint Protects America" is the new emblem-slogan emphasizing the paint industry's all-out effort for U. S. defense cooperation. A sheaf of proofs of the new emblem, which is copyrighted by the National Paint, Varnish and Lacquer Association, in the form of electrotypes of seals for use in advertisements on letterheads, envelopes, business cards and office forms, in both one and two colors and stickers, window streamers, decalcomanias for use on doors and windows, mixing paddles, salesmen's brief cases, auto windshields and throughout retail stores, truck signs and buttons are now being mailed to members of the industry. The suggestion is made that all letters written by members of the paint industry carry the words "Paint Protects America" typed in place of the customary "Yours very truly," etc.

Sherwin-Williams to Continue Musical Radio Program

The Sherwin-Williams Company, paint manufacturer, Cleveland, has signed a contract to bring "Metropolitan Auditions of the Air" back to radio broadcasting starting October 19. This program will be heard from 5:00 to 5:30 p.m., EDST., Sunday afternoons for twenty-three weeks. Warwick & Legler, Inc., 230 Park avenue, New York, is the agency. The program will be heard over fifty-nine "Red" network stations of the National Broadcasting Company.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

SELLING AGENCIES desired for aniline dyes, intermediates, solvents, horticultural insecticides and spray chemicals, tar products, organic and general chemicals. Industries covered include paint, color, plastics, textiles, ceramic, pharmaceutical, fruit spraying and tanning. References exchanged. Wide technical and commercial knowledge. Write H. E. J. Cory, M. Sc. Tech; F. I. C.; M. I. Chem. E: Eagle Chemical Works, Church, Lancashire, England.

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Capital Sought

COMPANY MANUFACTURING chemical and oil specialties for metal working, machine tool, textile processing industries offers partnership to executive with $25,000 for expansion. Controlled by men with 25 years' practical experience. BOX 333, Oil, Paint and Drug Reporter.

Equipment Offered

FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms - Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FOR IMMEDIATE shipment:—Shriver 18 in. and 24 in. C. I. filter presses; Patterson and Abbe jar and pebble mills to 30-gallon capacity; 20-gallon Day steam-jacketed, motor - driven, double - arm mixer. What have you for sale? Machinery & Equipment Corporation, 59 E. 4th Street, New York City.

FOR SALE:—1 30-in. 3-roll Ross mill, practically new; 1 36-in. 3-roll Ross mill, in a good usable condition; 3 75-gallon steel kettles on wheels; 1 giant change can mixer with paddles; 3 50-gallon pony paint mixers with paddles. Leitch Manufacturing Company, Middlesex, New Jersey. Telephone Bound Brook 1004.

FOR SALE:—Immediate delivery, Dorr thickeners, type R.G., with 220-volt, three-phase, 60-cycle motors and speed reducers; two for 20 ft. diam. x 6 ft. 4 in. deep tanks; two for 16 ft. diam. x 6 ft. 4 in. deep tanks. The Norwich Pharmacal Company, Norwich, New York.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

CENTRIFUGE 40-in. Tolhurst copper basket, bottom discharge with unloader; Blaw Knox type B, portable steel buildings, 40 ft. x 150 ft., 30 ft. x 100 ft.; ventilators in roof; double-hinged doors, 9 ft. 6 in. x 11 ft. 6 in.; immediate delivery. Lawler Company, Metuchen, N. J.

FOR SALE:—3 12x32 Day 5-roller mills, motor driven; pony mixers, 8 to 80 gals.; 3 Kent 8-in. lab., and 5 Ross. 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 and 1,250 gals. jacketed mixers; 30 filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick Street, New York City.

FOR SALE:—Davenport rotary steam tube dryer with press, dust collector, motors, conveyors; 80 H.P. Scotch marine boiler; oil burner; pumps. Perfect condition. One 100 K.W. Burke generator with Skinner uniflow engine, like new. Two Frick compressors 9x9 with 150 H.P. G.E. syn. motor, used one year. One No. 7 Sweetland filter. Steam-jacketed kettles and mixers. H. Loeb & Sons, 4603 Lancaster avenue, Philadelphia, Pa.

FOR SALE:—Filter press, Abbe lined pebble mill, 30x42 in.; five roller mills: 4 3-rollers, 5x12 in., 9x32 in., 16x40 in.; 1 5-rollers, top roll, 20x40 in.; 4-rolls, 16x40 in.; truck dryers, Raymond mills, copper varnish kettles on trucks, 150 gals.; change can mixers, etc. R. Gelb & Sons, Box 25, Clinton Hill Sta., Newark, N. J. Bigelow 3-2550.

Equipment Wanted

WANTED—Two 40-ft. and two 50-ft. used Louisville steam tube driers. Must be as good as new. Sea Board Supply Co., Inc., Meadow & McKean streets, Philadelphia, Pa.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 313, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—One 5-gal. copper kettle to withstand 40 lbs. steam pressure and 80 lbs. hydrostatic pressure. Must be in good condition. Give price, location, etc. BOX 328, Oil, Paint and Drug Reporter.

Factories Offered

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FOR SALE:—Denatured olive oil, 300 gals.; excellent quality; testing 1.4 percent acidity. BOX 326, Oil, Paint and Drug Reporter.

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WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

NATIONAL PAINT company operating several factories requires production manager. Knowledge of chemistry, engineering, costs, and executive ability required. Write fully to BOX 327, Oil, Paint and Drug Reporter.

WHOLESALE HOUSE requires the services of an expert pharmacist, in office position, to buy drugs and essentials, and supervise laboratory and package goods department. In answer, state training and experience. BOX 330, Oil, Paint and Drug Reporter.

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Flax Loan Rate Put At $1.70 for 1941 Crop

—Continued from page 5

of the terminal market rates less transportation and 4 cents per bushel handling costs.

No storage allowance is made for farm storage and loans secured by warehouse receipts will be discounted 7 cents a bushel unless they carry an endorsement stating that storage charges have been paid through April 30, 1942. This deduction represents the estimated average of storage charges which the Commodity Credit Corporation would be required to pay if the producer failed to redeem his note.

Loans will be made through December 31, 1941, and the notes will mature on demand or April 30, 1942. Only flaxseed grading No. 2 or better will be eligible for loan. Seed containing more than 30 percent damage, or more than 11 percent moisture, or otherwise of low quality, is not eligible.

Cotton Linters Processing Under Preference Order

OPD Washington Bureau
August 20, 1941

Processing and distribution of cotton linters have been placed under a General Preference Order, putting into effect the program announced July 31 by Leon Henderson, Administrator of the Office of Price Administration and Civilian Supply, it was reported today by Edward R. Stettinus, jr., director of Priorities of the Office of Production Management.

The order prohibits the sale of second-cut cotton linters, or more than 20 percent of mill-run linters, for any purpose other than ultimate use in the chemical industry. It further requires all cottonseed oil crushing mills using two cuts in the production of cotton linters to regulate their processes so that first-cut linters will not be more than 20 percent of the total cut.

Chickasha Buys Tulsa Cotton Oil

Tulsa, Aug. 18, 1941

Chickasha Cotton Oil Company, Chickasha, Okla., has purchased the Tulsa Cotton Oil Company. Purchase price has not been disclosed. In addition to operating a large mill here, Tulsa Cotton Oil maintained twenty-two cotton gins in eastern Oklahoma.

Metallic Soaps Bulletin Issued

M. W. Parsons, and Plymouth Organic Laboratories, Inc., this city, has issued section 3 of Bulletin No. 1, dealing with a study of the action of 'Plymouth' brand metallic soaps in a typical egg shell enamel. Copies can be obtained at the general offices of the company, 59 Beekman street, by mentioning the REPORTER.

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Index to Advertisements

Acme Steel Drum Co. 38
Advance Solvents & Chemical Corp. –
Alabama Charcoal Co. 62
Alexander, Jerome 59
Alkydol Laboratories, Inc. 38
Allied Asphalt & Mineral Corp. –
American Agricultural Chemical Co. –
American British Chem. Supplies, Inc. 34
American Can Co. –
American Cyanamid & Chemical Corp. –
American Firstoline Corp. 42
American Flange & Mfg. Co. –
American Potash & Chemical Corp. –
Anderson Prichard Oil Corp. –
Angus, W. W., Inc. –
Ansbacher-Siegle Corp. –
Apex Chemical Co., Inc. –
Association of Consulting Chemists and Chemical Engineers, Inc. 59
Atlantic Coast Fisheries Co. 44
Atlantic Refining Co. –
Atlas Powder Co. 42

Baker, J. T., Chemical Co. 1
Barber Asphalt Co. –
Barium & Chemicals, Inc. 29
Barium Reduction Corp. 28
Barrett Company 30, 55
Bemis Bros. Bag Co. –
Benzol Products Co. –
Berk, F. W., & Co., Inc. 43
Binney & Smith Co. –
Brighton Copper Works. –
Brode Corp., The 40
Bromund, E. A., Co. 41
Bureau of Chemistry 59
Burke, Edw. S. –
Bush Pan-America, Ltd. 52
Bush, W. J., & Co., Inc. 51

Calco Chemical Division 37
California Fruit Growers Exchange –
Capital City Products Co. 40
Carbide & Carbon Chemicals Corp. –
Carey, The Philip, Co. –
Chemical Solvents, C. P., Inc. 62
Chilean Nitrate Sales Corp. –
Church & Dwight Co. 28
Colgate-Palmolive-Peet Co. 45
Colledge, E. W., General Sales Agent –
Colton, Arthur, Co. –
Columbia Chemical Division 21
Commercial Solvents Corp. 19
Consolidated Products Co., Inc. 60
Consumers Import Co., Inc. 62
Continental Can Co. –
Cowles Detergent Co. –
Crown Can Co. –

Darling & Co. 40
Davison Chemical Corp. 29
Day Chemical Company 59
Desert Chemical Company –
Diamond Alkali Co. –
Dickhart, W. H. 59
Dodge & Olcott Co. 51
Doggett, Stanley, Inc. –
Douglass Sulphur Co. –
Dow Chemical Co. 25
Dunkel, Paul A., & Co., Inc. –
DuPont de Nemours, E. I., & Co., Inc. 1
Durez Plastics & Chemicals, Inc. –

Eastman Kodak Co. –
Edwal Laboratories, Inc. –
Ehrlich, J. 59
Ellis-Foster Co. 59
Emery Industries, Inc. –
Enequist Chemical Co. 29

Faesy & Besthoff, Inc. –
Felton Chemical Co., Inc. –
Fezandie & Sperrle –
First Machinery Corp. –
Food Research Laboratories, Inc. 59
Foote Mineral Co. 29
Frank-Vliet Co., Inc. 48
Franks Chemical Products Co. 37
Freeport Sulphur Co. –
Fritzsche Bros., Inc. 50, 53
Fulton Bag & Cotton Mills –

Gartenberg, H., & Co. 35
General Chemical Co. 22
General Drug Company 16
General Electric Co. –
Georgia Kaolin Co. –
Germantown Mfg. Co. 48
Gessell, R., Inc. 45
Givaudan-Delawanna, Inc. –
Golwynne Chemicals Co. 15
Gray, William S., & Co. 1
Gray Industrial Laboratories 30
Greeff, R. W., & Co. 36
Gross, A., & Co. 39
Gruman, J. B., Co. –

Hallowell, Horace J. 59
Hardesty, W. C., Co., Inc. 39
Harshaw Chemical Co. –
Heekin Can Co. –
Heyden Chemical Corp. –
Holt, C. J., Co., Inc. 59
Hooker Electrochemical Co. 24
Hopkins, J. L., & Co. 47
House of Wallace 52
Huisking, Chas. L., & Co. 45
Hutchinson, D. W., & Co., Inc. 51

Imperial Paper & Color Corp. –
Independent Mfg. Co. 39
Industrial Consulting Labs., Inc. 59
Inland Alkaloid Co. –
Innes, O. G., Corp. –
Innis, Speiden & Co. –
International Pulp Co. –
International Selling Corp. 29
Irvington Smelting & Refining Works –

Jackle, Frank R. –
Jones & Laughlin Steel Corp. –
Jungmann & Co., Inc. 44

Kachurin Drug Co. 47
Kelco Co. –
Kentucky Color & Chemical Co. 38
Kessler Chemical Co., Inc. 43
Khosrovshahi, Morteza 48
Knight, B. H. 59
Koppers Company 31
Krebs Pigment & Color Corp. –

Laning, E. M., Co. 59
LaWall & Harrison 50
Leghorn Trading Co. 44
Lemke, B. L., Fine & Rare Chemicals 42
Leonhard, Theodor, Wax Co., Inc. –
Lueders, George, & Co. –

Magnetic Pigment Co. –
Magnus, Mabee & Reynard, Inc. 51
Mallinckrodt Chemical Works –
Mann, F. J., Inc. –
Mantrose Corp. 41
Marine Magnesium Products Corp. –
Mathieson Alkali Works, Inc. –
McKesson & Robbins, Inc. 61
Menhaden Fish Products Co. –
Mercantile Import & Export Co. 44
Merck & Co., Inc. 32, 33
Metallurgical Products Co. –
Metasap Chemical Co. –
Meyer, Herman, Drug Co., Inc. –
Michigan Alkali Co. –
Millmaster Chemical Co. –
Mills, Zophar, Inc. 37
Minnesota Specialty Co. –
Molnar Laboratories 59
Monsanto Chemical Co. 6
Munch, James 59
Mutual Chemical Co. of America 35

National Aniline & Chemical Co., Inc. –
National Box & Lumber Co. 34
National Lead Co. –
National Milk Sugar Co. 44
National Rosin Oil & Size Co. –
Natural Products Refining Co. 35
Neuberg Chemical Corp. 13
Neville Co. –
New Jersey Zinc Co. –
N. Y. Quinine & Chemical Works, Inc. –
Niacet Chemicals Corp. 35
Niagara Alkali Corp. 11

Oil States Petroleum Co., Inc. 53
Oldbury Electro-Chemical Co. –
Orbis Products Corp. –
Orthmann Laboratories, Inc. 59
Osborn, C. J., Co. 38

Pacific Alkali Co. 44
Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. –
Paramet Chemical Corp. 36
Parsons, M. W. 38
Penick, S. B., & Co. 46
Pennsylvania Coal Products Corp. –
Pennsylvania Industrial Chem. Corp. –
Pennsylvania Refining Corp. –
Pennsylvania Salt Mfg. Co. –
Pfaltz & Bauer, Inc. 29
Pfizer, Chas., & Co., Inc. 27
Phelps Dodge Refining Co. –
Philadelphia Quartz Co. –
Phosphate Mining Co. 28
Pittsberg Chemical Co. 29
Pittsburgh Plate Glass Co. 21
Polachek, Z. H. 30
Potash Co. of America –
Premier Mill Corp. –
Prentiss, R. J., & Co. 48
Prior Chemical Corp. 1
Procter & Gamble 39, 44
Publicker Commercial Alcohol Co. –
Purdy, W. S., Inc. 59
Pure Calcium Products Division –
Purocaine Chemical Co. 44

Raisch, John E., & Co. 59
Reed-Blair Laboratories 59
Reichhold Chemicals, Inc. –
Republic Steel Corp. –
Rheem Mfg. Co. –
Robinson Wagner Co. –
Rosenthal, H. H., Co., Inc. 62
Rufert Chemical Co. 15

Sadtler, Samuel P., & Sons, Inc. 59
St. Joseph Lead Co. –
Schuylkill Chemical Co. 62
Schwarz Laboratories, Inc. 59
Sell, Putt & Rusby, Inc. 59
Seydel Chemical Co. –
Sharples Chemicals, Inc. 1
Sheffield Bronze & Powder Co. –
Shell Oil Co. –
Sherwood Refining Co., Inc. 53
Silzle, E. A., Corp. –
Skelly Oil Co. –
Smith, Kline & French Labs. –
Snell, Foster D., Inc. 59
Socony-Vacuum Oil Co., Inc. –
Solvay Sales Corp. –
Sonneborn, L., Son, Inc. 62
Southern Acid & Sulphur Co., Inc. –
Sparkler Mfg. Co. –
Standard Alcohol Co. –
Standard Brands, Inc. –
Standard Oil Co. of Calif. 53
Standard Specialty & Tube Co. 44
Standard Synthetics, Inc. –
Standard Ultramarine Co. –
Stauffer Chemical Co. 28
Stillman & Van Sicien, Inc. 39
Stillwell & Gladding 59
Stroock & Wittenberg Corp. –
Sun Oil Co. –

Taintor Trading Co., Inc. –
Tamms Silica Co., Inc. –
Tar & Chemical Div. of Koppers Co. 31
Tar Residuals, Ltd. 34
Tennessee Corp. –
Texas Gulf Sulphur Co., Inc. 55
Thompson-Hayward Chemical Co. 62
Thornton, The F. C., Co. –
Thurston & Braidich 48
Titanium Pigment Corp. –
Todd, A. M., Co. –
Tombarel Products Corp. –
Truesdail Laboratories, Inc. 59
Turner, Joseph, & Co. 28
Tuteur & Co. –

Union Carbide & Carbon Corp. –
U. S. Industrial Chemicals, Inc. 17, 18
United States Potash Co. –

Vanderbilt, R. T., & Co., Inc. –
Van Schaack Chemical Works, Inc. 51
Victor Chemical Works 62
Viking Distributing Co. –
Vitro Mfg. Co. 37
Vol-U-Meter Co. –

Wah Chang Trading Corp. 39
Warner Chemical Co. 2
Weiss & Downs, Inc. 59
Wet Ground Mica Assn., Inc. 61
White Tar Co. of N. J. 31
Wiley & Co., Inc. 59
Will & Baumer Candle Co., Inc. –
Williams, C. K., & Co. –
Wilson-Martin Division 40
Wishnick-Tumpeer, Inc. –
Woburn Degreasing Co. of N. J. 40
Wolf, Jacques, & Co. 52
Wood Preserving Corp. 31
Woodbridge Division 43

Zinsser & Co., Inc. 28
Zophar Mills, Inc. 37

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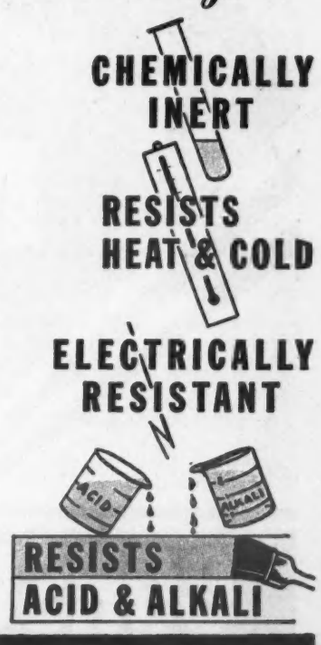

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